

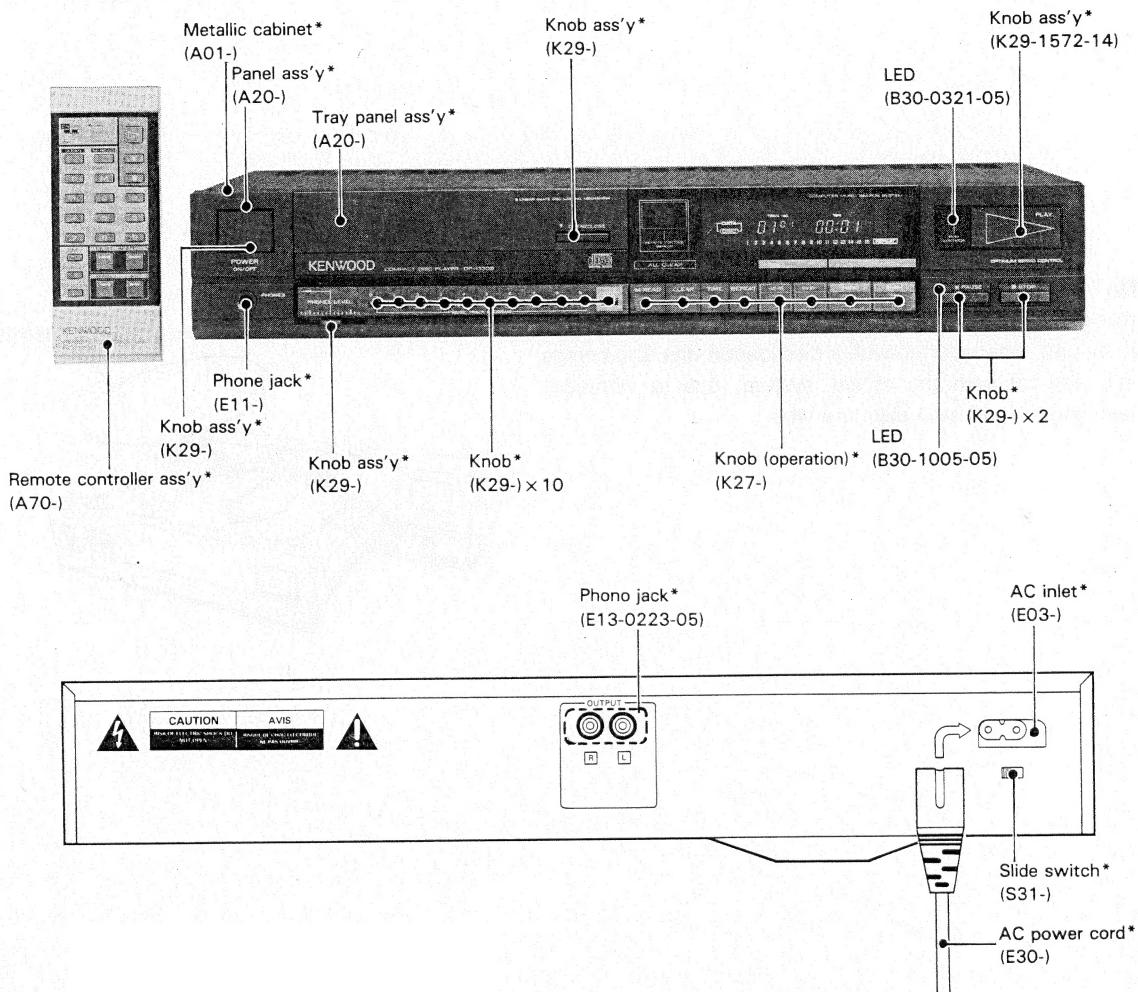
KENWOOD SERVICE MANUAL

KENWOOD

DP-1100 DP-1100B

COMPACT DISC PLAYER

NOTE: For adjustment and troubleshooting, refer to the revised edition of the DP-1100/B Service manual.



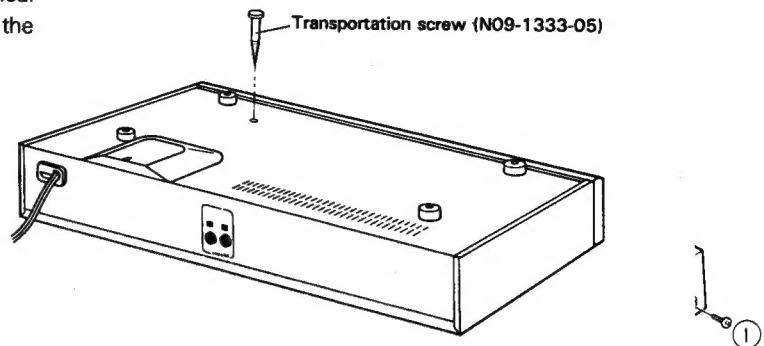
TRIO-KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040.10, Chapter I, Subchapter J.

**DANGER: Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.**

*Refer to parts list on page 12.
Photo is DP-1100B

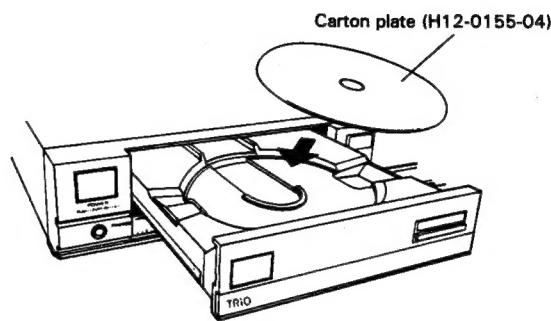
NOTES ON TRANSPORTATION

- When transporting the unit, be sure to install the **transportation screw**. The screw secures the optical system and mechanism. Transporting the unit without the transportation screw may damage them.

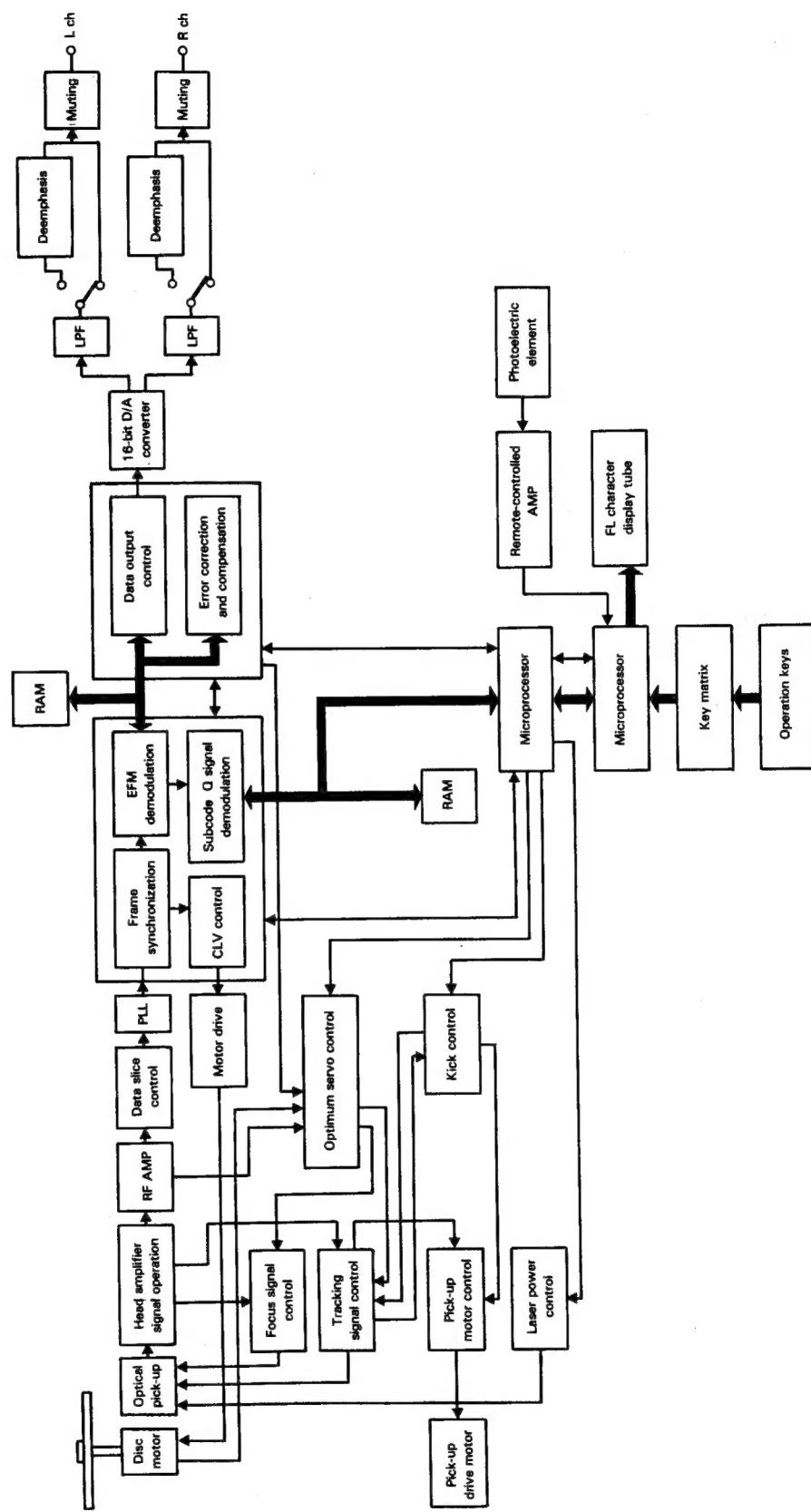


scratched.

- Do not transport the unit with a disc loaded. When transporting the unit, be sure to load a protection plate. If the unit is transported with a disc loaded, the disc comes into contact with the optical system, due to vibration, resulting in scratched disc and lens.



BLOCK DIAGRAM



DISASSEMBLY FOR REPAIR

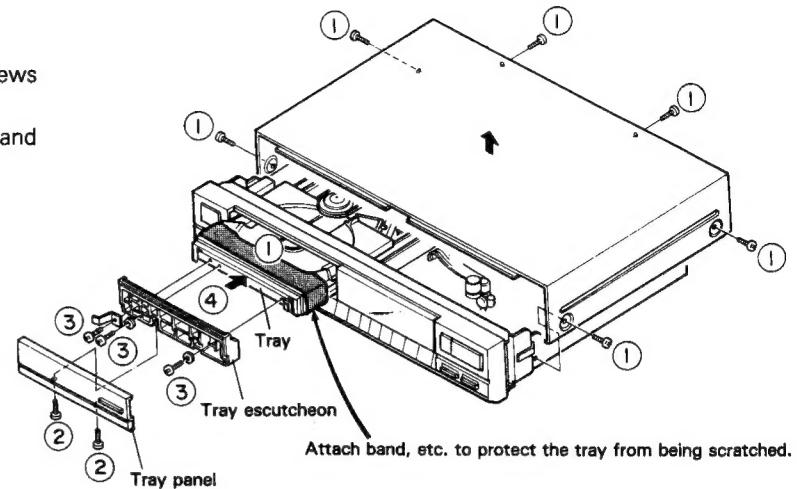
Removing case

1. Remove each set of 2 screws from right, left and rear sides

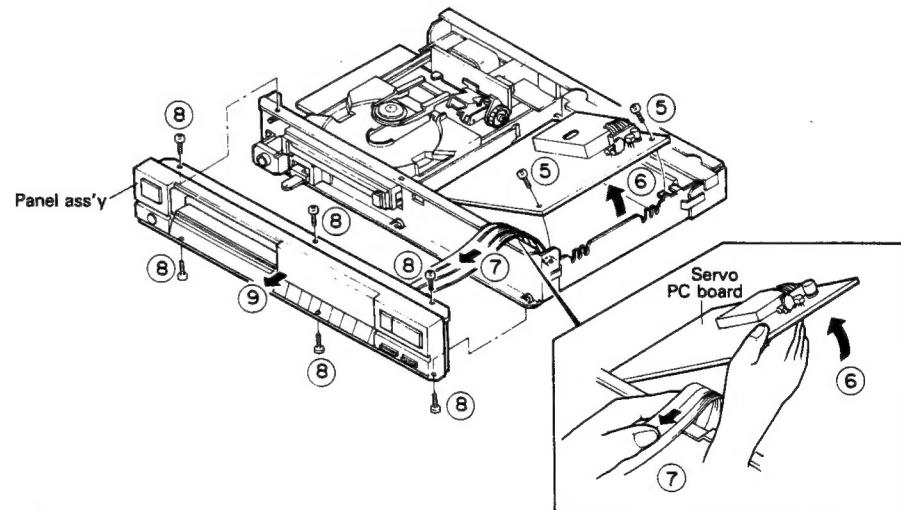
① .

Removing panel ass'y

1. Remove the case ① .
2. Open the disc tray, remove 2 tray panel retaining screws ② and take out the tray panel.
3. Remove 3 tray escutcheon retaining screws ③ and remove the escutcheon.
4. Manually close the tray ④ .



5. Remove 2 screws ⑤ securing the servo PC board (X29-1520-00), lift up the right side of the PC board ⑥ and take out the panel ass'y flat cable frontwards ⑦ .
6. Remove 6 panel ass'y retaining screws ⑧ and pull out the panel ass'y frontwards.

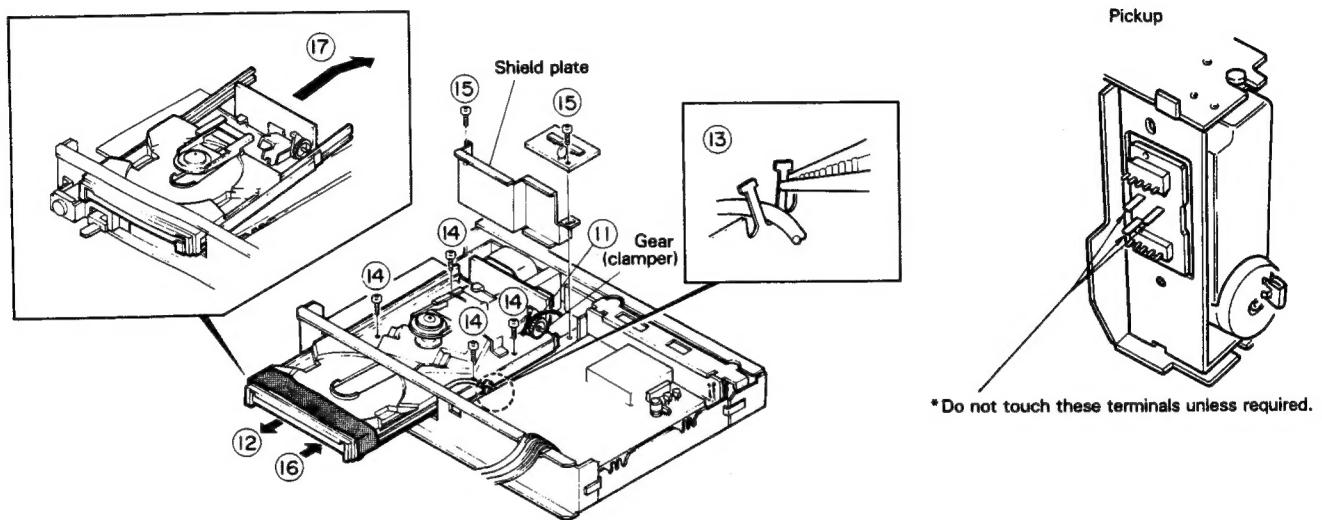


DISASSEMBLY FOR REPAIR

Removing mechanism ass'y

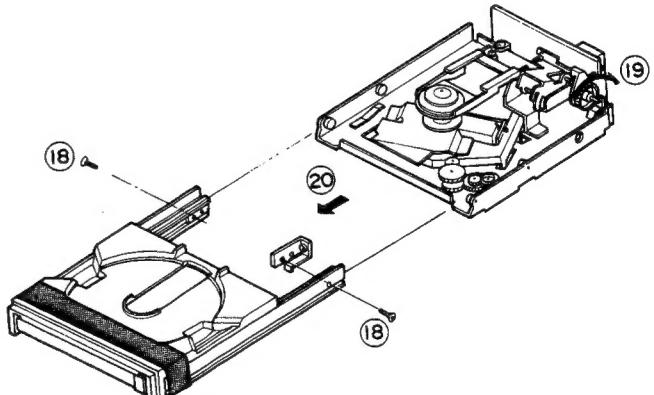
1. Remove case ①.
2. Remove the panel ②—⑨.
3. Manually rotate the gear (clamper) to the rear and open the tray ⑫.
4. Raise the lead clamper ⑬ of the tray switch with pliers, etc. and remove 4 screws ⑭ securing the mechanism ass'y.

5. Remove 2 screws ⑮ securing the shield plate.
6. Manually close the tray ⑯ and, lifting up the rear side of the mechanism ass'y ⑰, take out the mechanism ass'y.



Removing tray

1. Remove the mechanism ass'y ①—⑯.
2. Remove 2 stopper retaining screws ⑯ with the tray closed and manually rotate the gear (clamper) ⑯ to take out the tray frontwards ⑳.



ADJUSTMENT

For connection of the measuring instrument, refer to the pc board on page 6.

NOTE: Be sure to turn the power off when connecting/disconnecting the connector.

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ADJUSTMENT POINT	ALIGN FOR	FIG.
1	LASER POWER (1)	—	—	1. POWER: OFF 2. Pull out CN4 from Servo PC board (X29-1520-00). 3. Short pins 2 and 3 of J8 in mechanism PC board (J25-4404-08). 4. POWER: ON	—	—	
2	LASER POWER (2)	—	Laser power meter	POWER: ON	R128 (J25-4404-08)	Adjust so the meter reads 300 μ W.	(a)
3	PEAK DET BALANCE	—	Connect DC voltmeter to pin 8 of Servo PC board CN6.	POWER: ON	R118 (J25-4404-08)	Adjust so the meter reads 0 V.	
4	PICKUP HEIGHT (1)	—	Connect oscilloscope (AC 0.2 V/div) to pin 6 of Servo PC board CN6.	Disconnect the CN10 from Signal Process PC board. POWER: ON	R120 (J25-4404-08)	Adjust so the maximum output is obtained.	
5	PICKUP HEIGHT (2)	—	Connect DC voltmeter to pin 3 of Servo PC board CN3.	Play mode	Pickup adjusting screws A, B and C	Adjust so the voltmeter reads 0 V.	(b)
6	PICKUP TANGENTIAL DIRECTION	—	Connect oscilloscope (AC 0.5 V/div) to EFM pin of Servo PC board.	Play mode	Pickup adjusting screw B	Adjust for minimum jitter (the minimum fluctuation at the center of the waveform)	(b)
7	PICKUP RADIAL DIRECTION	—	Connect AC voltmeter to TE pin of Servo PC board.	Play mode	Pickup adjusting screw C	Adjust so the voltmeter reads minimum.	(b)

Repeat steps 5 ~ 7 several times.

Connect CN10 to Signal Process PC board.

8	FE BALANCE	—	Connect DC voltmeter to pin 1 ~ 4 of Signal Process PC board.	Play mode	R120 (J25-4404-08)	Turn the power off. Turn the power on again and adjust so that the level at each pin is L (less than 0.5 V) during playback.	
9	FOCUS GAIN	Type A disc	Jig MONITOR OUT: AC Voltmeter FS/TS OUTPUT: Servo PC board CN1 SW: BPF OUT SW:FS	Play mode	VR1 (X29-1520-00)	Adjust so the voltmeter reads 40 mV.	(c)
10	TRACKING GAIN	Type A disc	Jig MONI OUT: AC voltmeter FS/TS OUTPUT: Servo PC board CN1 SW: BPF OUT SW: TS	Play mode	VR2 (X29-1520-00)	Adjust so the voltmeter reads 40 mV.	(c)

REGLAGE

Pour le raccordement d'instruments de mesure se référer à la plaquette à la page 6.

REMARQUE: S'assurer de bien mettre l'appareil hors tension avant de connecter, déconnecter le connecteur.

No.	ITEM	RÉGLAGE D'ENTRÉE	RÉGAGE DE SORTIE	RÉGLAGE DE LA LE CTURE	POINT D'ALIGNEMENT	ALIGNEMENT POUR	FIG.
1	PUISSEANCE LASER (1)	—	—	1. HORS TENSION 2. Sortir CN4 de la plaquette de CI Servomécanisme (X29-1520-00). 3. Court-circuiter les broches 2 et 3 de la plaquette J8 de CI Mécanisme (J25-4404-08). 4. SOUS TENSION	—	—	
2	PUISSEANCE LASER (2)	—	Compteur de puissance	POWER: ON	R128 (J25-4404-08)	Régler de manière à ce que le compteur indique 300 W.	(a)
3	COMPENSATION DET CRÈTE	—	Raccorder le voltmètre CC à la broche 8 de la plaquette de CI Servomécanisme CN6.	POWER: ON	R118 (J25-4404-08)	Régler de manière à ce que le voltmètre indique 0 V.	
4	HAUTEUR PHON-CAPTEUR (1)	—	Raccorder l'oscilloscope (0,2 V/div CA) à la broche 6 de la plaque de CI Servomécanisme CN6.	Déconnecter le CN10 de la plaque de CI de Traitement des Signaux. SOUS TENSION	R120 (J25-4404-08)	Régler de manière à obtenir la sortie maximale.	
5	HAUTEUR PHONOCAPTEUR (2)	—	Raccorder le voltmètre CC à la broche 3 de la plaque de CI Servomécanisme CN3.	Mode lecture	Vis de réglage A, B et C du phonocapteur	Régler de manière à ce que le voltmètre indique 0 V.	(b)
6	DIRECTION TANGENTIELLE DU PHONOCAPTEUR	—	Raccorder l'oscilloscope (CA 0,5 V/DIV) à la broche EFM de la plaque de CI Servomécanisme.	Mode lecture	Vis de réglage du phonocapteur B	Régler de manière à obtenir une instabilité minimale (la fluctuation minimale au centre de la forme d'onde)	(b)
7	DIRECTION RADIALE DU PHONOCAPTEUR	—	Raccorder l'appareil de mesure CA pour plaque à la borne TE de la plaque de CI Servomécanisme.	Mode lecture	Vis de réglage du phonocapteur C	Régler de manière à ce que le voltmètre indique le minimum.	(b)
Répéter les étapes 5 à 7 plusieurs fois.							
Connecter CN10 à la plaque de CI de Traitement de Signaux.							
8	EQUILIBRE FE	—	Raccorder le voltmètre CC aux broches 1 ~ 4 de la plaque de CI de Traitement de Signaux.	Mode lecture	R120 (J25-4404-08)	Mettre hors tension. Mettre à nouveau sous tension et régler de manière à ce que le niveau à chaque broche soit égal à L (inférieur à 0,5 V) au cours de la lecture.	
9	GAIN DE FOCALISATION	Disque type A	Montage MONITOR OUT: Voltmètre CA FS/TS OUTPUT: Plaque de CI servomécanisme CN1 SW: BPF OUT SW: FS	Mode lecture	VR1 (X29-1520-00)	Régler de manière à ce que le voltmètre indique 40 mV.	(c)
10	GAIN D'ALIGNEMENT	Disque type A	Montage MONI OUT: Voltmètre CA FS/TS OUTPUT: Plaque de CI servomécanisme CN1 SW: BPF OUT SW: TS	Mode lecture	VR2 (X29-1520-00)	Régler de manière à ce que le voltmètre indique 40 mV.	(c)

Für den Anschluß des Meßinstruments siehe das schaltplatte auf Seite 6.

HINWEIS: Beim Anschließen und Abtrennen von Steckern muß die Spannungsversorgung ausgeschaltet werden.

ABGLEICH

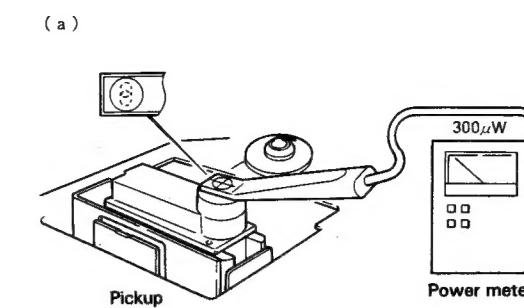
Nr.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	SPIELER-EINSTELLUNG	ABGLEICH-PUNKT	ABGLEICHUNG	Abb.
1	LASERLEISTUNG (1)	—	—	1. POWER: OFF 2. CN4 aus der Servo-Schaltplatte (X29-1520-00) ziehen. 3. Stifte 2 und 3 der J8 ans Mechanismus-Schaltplatte (J25-4404-08) kurzschließen. 4. POWER: ON	—	—	
2	LASERLEISTUNG (2)	—	Laserleistung-Meter	POWER: ON	R128 (J25-4404-08)	So einstellen, daß das Meter 300 μ W anzeigt.	(a)
3	SPITZEN-DET-BALANCE	—	Ein Gleichstrom-Voltmeter an Stift 8 der Servo-Schaltplatte CN6 anschließen.	POWER: ON	R118 (J25-4404-08)	So einstellen, daß das Meter 0 V anzeigt.	
4	AUFNEHMER-HÖHE (1)	—	Ein Oszilloskop (Wechselstrom 0,2 V/div) an Stift 6 der Servo-Schaltplatte CN6 anschließen.	Den CN10 von der Signalverarbeitung-Schaltplatte abtrennen. POWER: ON	R120 (J25-4404-08)	So einstellen, daß der maximale Ausgang erhalten wird.	
5	ABNEHMER-HÖHE (2)	—	Ein Gleichstrom-Voltmeter an Stift 3 der Servo-Schaltplatte CN3 anschließen.	Wiedergabe-Betriebsart	Abnehmer-Einstellschrauben A, B und C	So einstellen, daß das Voltmeter 0 V anzeigt.	(b)
6	AUFNEHMER-TANGENTIALRICHTUNG	—	Das Oszilloskop (Wechselstrom 0,5 V/div) an den EFM-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube B	Auf minimalen Jitter (minimale Schwankung in der Mitte der Wellenform) einstellen.	(b)
7	AUFNEHMER-RADIALRICHTUNG	—	Das Wechselstrom-Voltmeter und den TE-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube C	So einstellen, daß das Voltmeter Minimum anzeigt.	(b)
Die Schritte 5 ~ 7 mehrmals wiederholen.							
CN10 an die Signalverarbeitung-Schaltplatte anschließen.							
8	FE-BALANCE	—	Das Gleichstrom-Voltmeter an die Stifte 1 ~ 4 der Signalverarbeitung-Schaltplatte anschließen.	Wiedergabe-Betriebsart	R120 (J25-4404-08)	Die Spannungsversorgung ausschalten. Die Spannungsversorgung wieder einschalten und so einstellen, daß der Pegel an jedem Stift L (weniger als 0,5 V) ist während der Wiedergabe.	
9	FOKUS-VERSTÄRKUNG	Typ A Disc	Vorrichtung MONITOR OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: FS	Wiedergabe-Betriebsart	VR1 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)
10	SPURHALTE-VERSTÄRKUNG	Typ A Disc	Vorrichtung MONI OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: TS	Wiedergabe-Betriebsart	VR2 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)

ABGLEICH

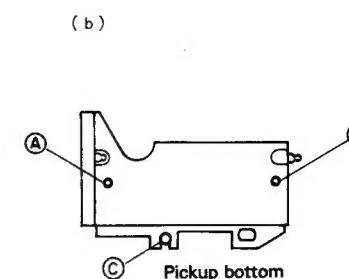
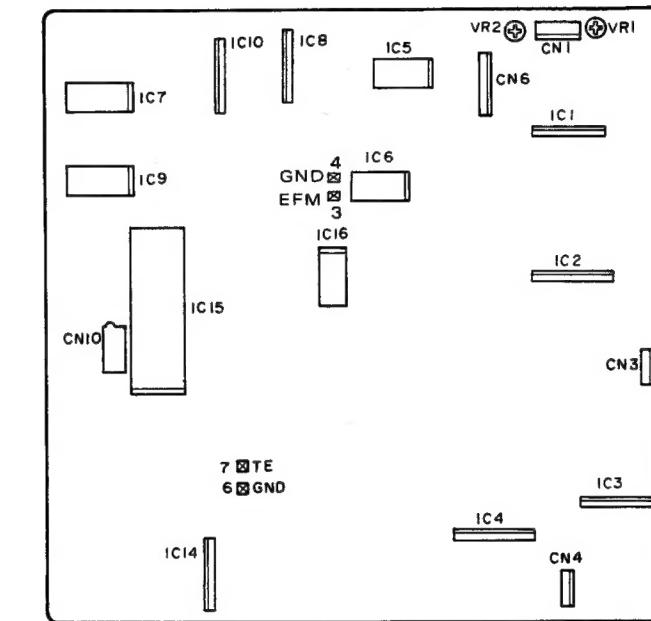
ADJUSTMENT POINT

Für den Anschluß des Meßinstruments siehe das Schaltplatte auf Seite 6.
HINWEIS: Beim Anschließen und Abtrennen von Steckern muß die Spannungsversorgung ausgeschaltet werden.

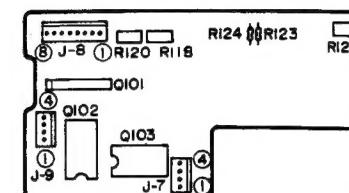
Nr.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	SPIELER-EINSTELLUNG	ABGLEICH-PUNKT	ABGLEICHUNG	Abb.
1	LASERLEISTUNG (1)	—	—	1. POWER: OFF 2. CN4 aus der Servo-Schaltplatte (X29-1520-00) ziehen. 3. Stifte 2 und 3 der J8 ans Mechanismus-Schaltplatte (J25-4404-08) kurzschließen. 4. POWER: ON	—	—	
2	LASERLEISTUNG (2)	—	Laserleistung-Meter	POWER: ON	R128 (J25-4404-08)	So einstellen, daß das Meter $300 \mu\text{W}$ anzeigt.	(a)
3	SPITZEN-DET-BALANCE	—	Ein Gleichstrom-Voltmeter an Stift 8 der Servo-Schaltplatte CN6 anschließen.	POWER: ON	R118 (J25-4404-08)	So einstellen, daß das Meter 0 V anzeigt.	
4	AUFNEHMER-HÖHE (1)	—	Ein Oszilloskop (Wechselstrom 0,2 V/div) an den CN10 von der Signalverarbeitung-Schaltplatte abtrennen. POWER: ON	R120 (J25-4404-08)	Den CN10 von der Signalverarbeitung-Schaltplatte abtrennen. POWER: ON	So einstellen, daß der maximale Ausgang erhalten wird.	
5	ABNEHMER-HÖHE (2)	—	Ein Gleichstrom-Voltmeter an Stift 3 der Servo-Schaltplatte CN3 anschließen.	Wiedergabe-Betriebsart	Abnehmer-Einstellschrauben A, B und C	So einstellen, daß das Voltmeter 0 V anzeigt.	(b)
6	AUFNEHMER-TANGENTIALRICHTUNG	—	Das Oszilloskop (Wechselstrom 0,5 V/div) an den EFM-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube B	Auf minimalen Jitter (minimale Schwankung in der Mitte der Wellenform) einstellen.	(b)
7	AUFNEHMER-RADIALRICHTUNG	—	Das Wechselstrom-Voltmeter und den TE-Stift der Servo-Schaltplatte anschließen.	Wiedergabe-Betriebsart	Aufnehmer-Einstellschraube C	So einstellen, daß das Voltmeter Minimum anzeigt.	(b)
Die Schritte 5 ~ 7 mehrmals wiederholen.							
CN10 an die Signalverarbeitung-Schaltplatte anschließen.							
8	FE-BALANCE	—	Das Gleichstrom-Voltmeter an die Stifte 1 ~ 4 der Signalverarbeitung-Schaltplatte anschließen.	Wiedergabe-Betriebsart	R120 (J25-4404-08)	Die Spannungsversorgung ausschalten. Die Spannungsversorgung wieder einschalten und so einstellen, daß der Pegel an jedem Stift L (weniger als 0,5 V) ist während der Wiedergabe.	
9	FOKUS-VERSTÄRKUNG	Typ A Disc	Vorrichtung MONITOR OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW:FS	Wiedergabe-Betriebsart	VR1 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)
10	SPURHALTE-VERSTÄRKUNG	Typ A Disc	Vorrichtung MONI OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: TS	Wiedergabe-Betriebsart	VR2 (X29-1520-00)	So einstellen, daß das Voltmeter 40 mV anzeigt.	(c)



Servo PC board (X29-1520-00)

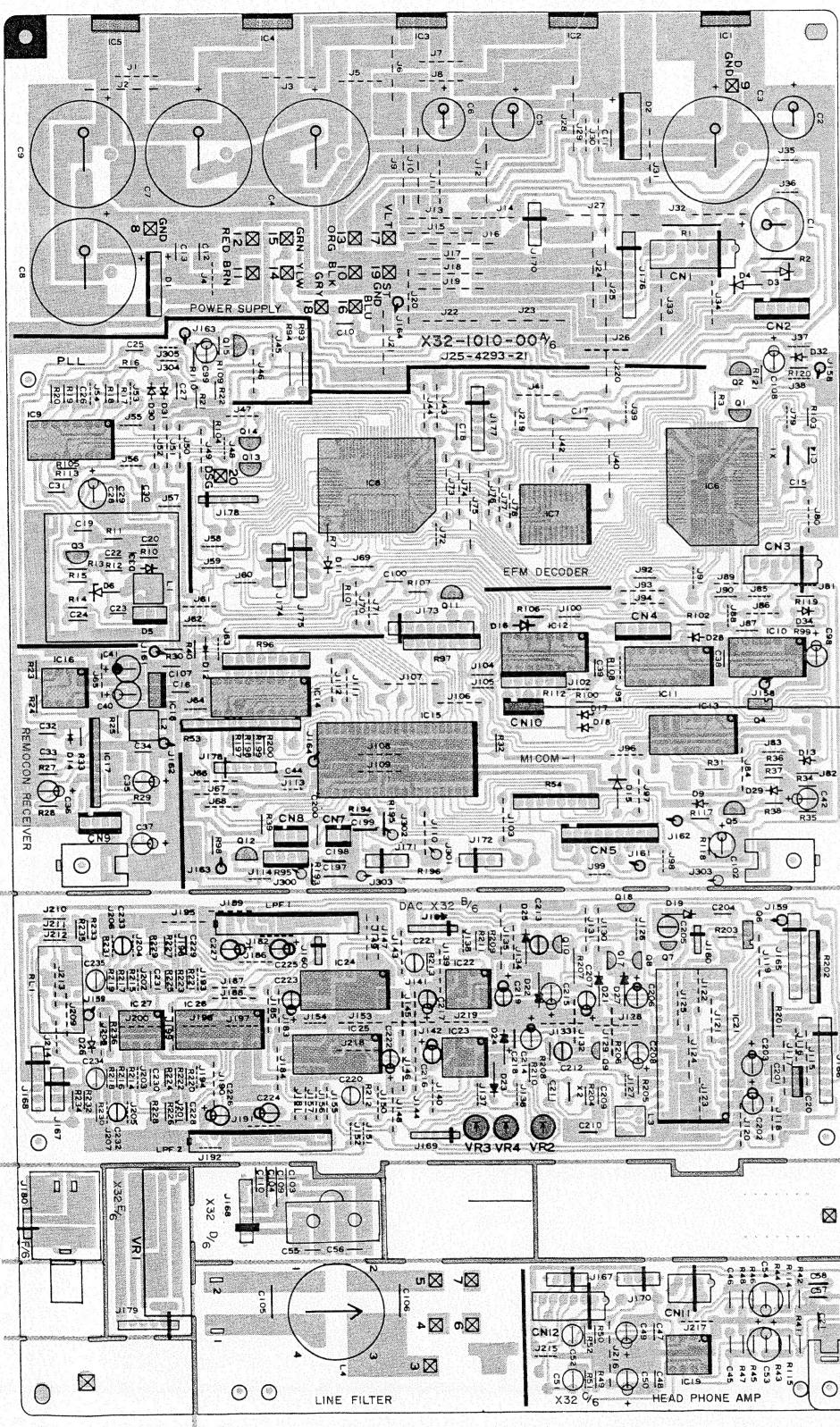


Mechanism PC board (J25-4404-08)



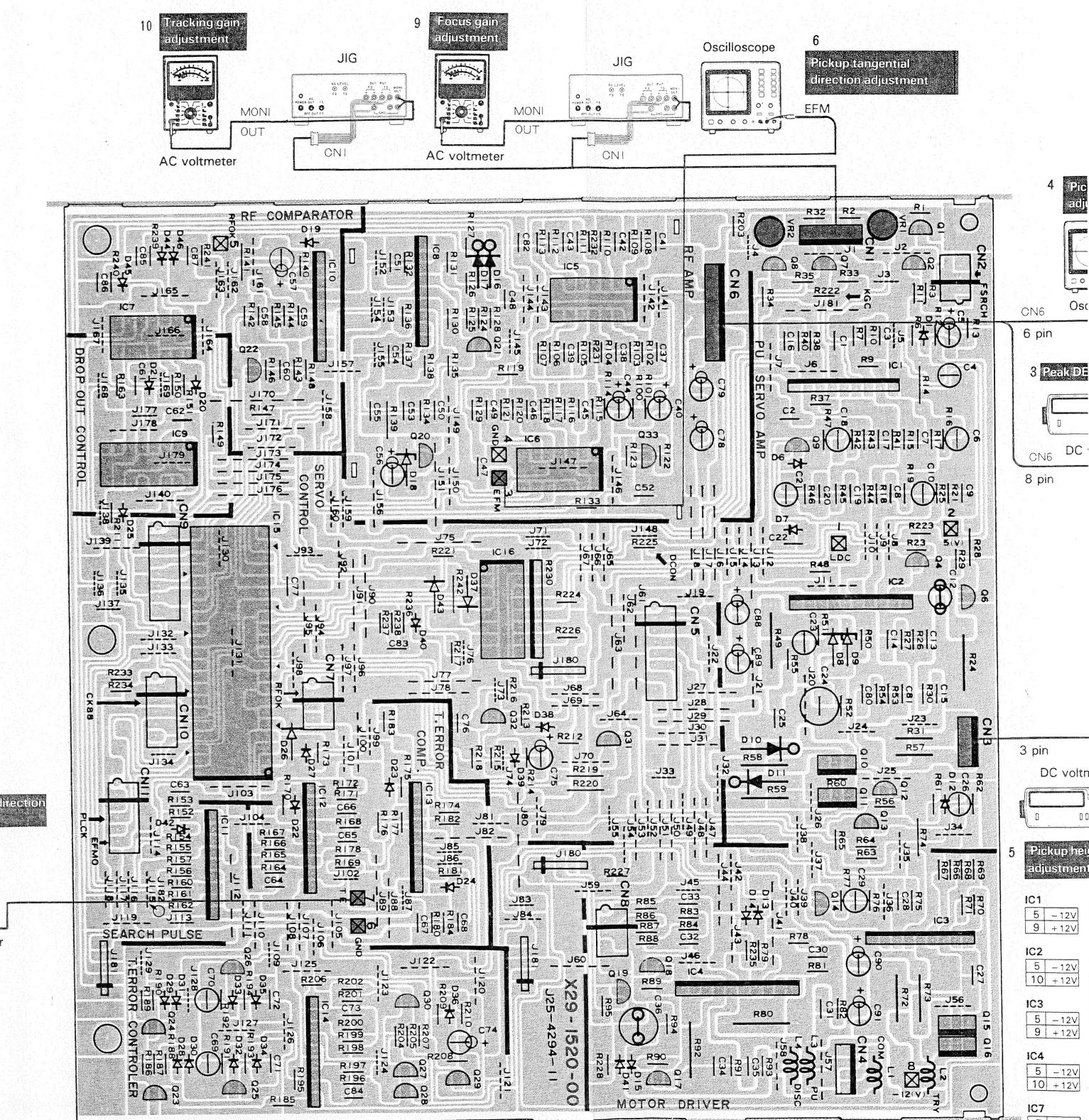
PC BOARD

SIGNAL PROCESS UNIT (X32-1010-11) Component side view



IC1	IC7	IC11	IC17	IC24
[IN 12.7V GND 0V OUT 4.8V]	[12 OV 18 OV 24 4.8V]	[8 OV 15 4.8V 16 4.8V]	[5 OV 8 8.1V]	[1 0 2 0 3 0 12 0 13 0 14 0 15 0 16 5]
IC2	IC8	IC12	IC18	IC24
[IN -12V GND 0V OUT -5V]	[2 4.8V 3 0V 6 0V 8 4.8V 9 4.8V 10 4.8V 15 0V 22 0V 27 4.8V 28 0V 41 4.8V 42 4.8V 43 4.8V 44 4.8V 45 4.8V]	[4 OV 6 OV 8 OV 16 4.8V]	[IN 12.7V GND 0V OUT 8.1V]	[1 0 2 0 3 0 12 0 13 0 14 0 15 0 16 5]
IC3	IC13	IC19	IC25	IC25
[IN 12V GND 0V OUT 5V]	[12 OV 18 OV 24 0V 27 4.8V 28 0V 41 4.8V 42 4.8V 43 4.8V 44 4.8V 45 4.8V]	[4 OV 6 OV 7 OV 8 OV 16 4.8V]	[4 -12V 8 12V]	[1 0 2 0 5 0 12 0 13 0 14 0 15 0 16 0]
IC4	IC14	IC20	IC25	IC25
[IN -18.6V GND 0V OUT -12V]	[9 OV 18 4.8V]	[IN -8V GND 0V]	[4 -12V 8 12V]	[1 0 2 0 5 0 12 0 13 0 14 0 15 0 16 0]
IC5	IC15	IC21	IC26	IC26
[IN 18.6V GND 0V OUT 12V]	[21 0V 30 0V 34 4.8V 42 4.8V]	[4 4.8V 21 0V 22 0V 28 0V]	[4 4.8V 21 0V 22 0V 28 0V]	[1 0 2 0 5 0 12 0 13 0 14 0 15 0 16 0]
IC6	IC9	IC22	IC27	IC27
[27 4.8V 37 4.8V 41 4.8V 42 4.8V 54 4.8V 57 4.8V 58 4.8V]	[5 0V 15 4.8V 16 12V]	[3 0V 4 -12V 5 0V 8 12V]	[3 0V 4 -12V 5 0V 8 12V]	[4 0 8 0]
IC10	IC16	IC23	IC27	IC27
[1 0V 2 0V 7 0V 14 4.8V]	[1 0V 4 0V 8 8.1V]	[3 0V 4 -12V 5 0V 8 12V]	[3 0V 4 -12V 5 0V 8 12V]	[4 0 8 0]

SERVO UNIT (X29-1520-00) Component side view



A small black arrow pointing downwards, indicating the front of the vehicle.

PC BOARD

SERVO UNIT (X29-1520-00) Component side view

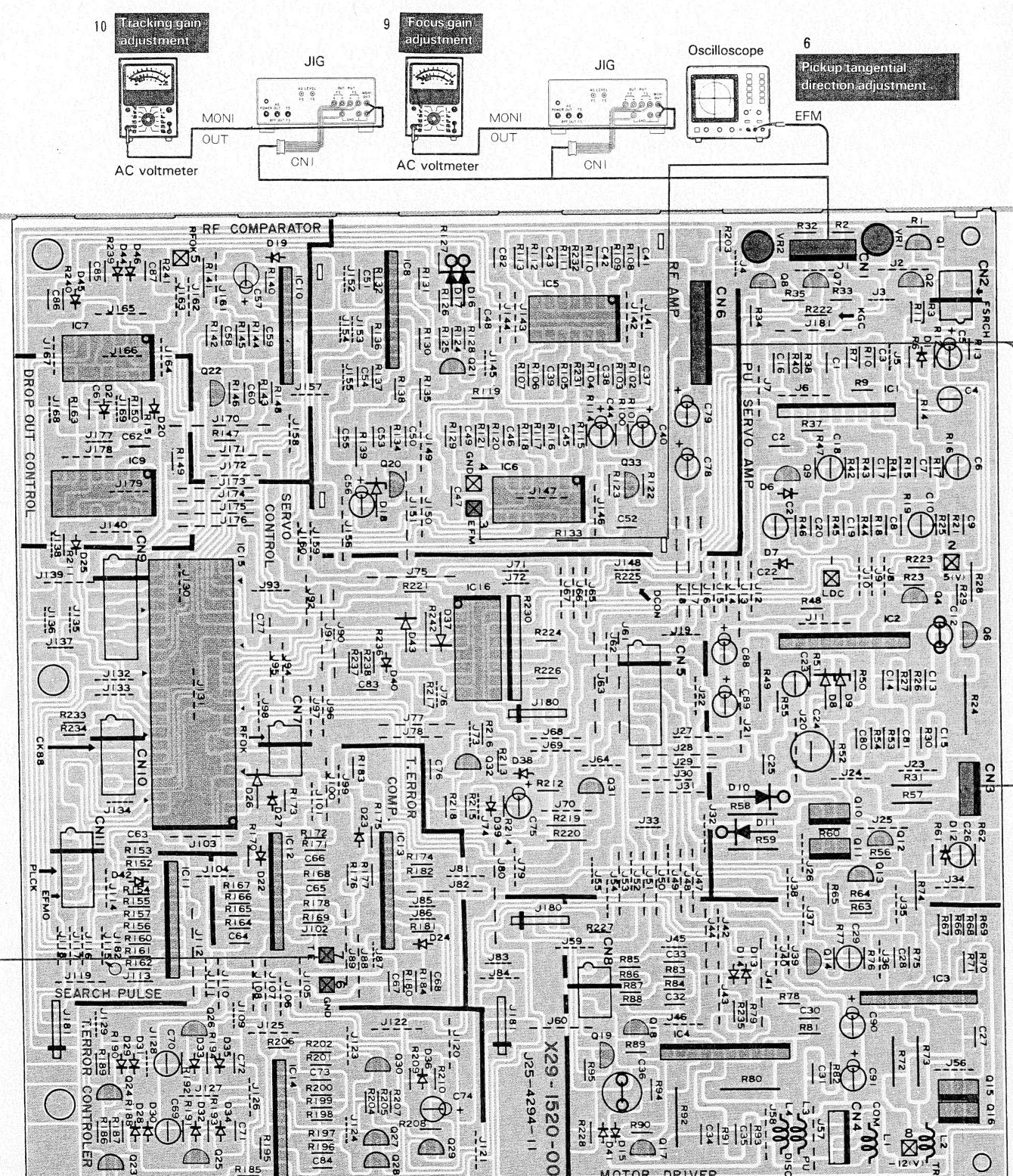
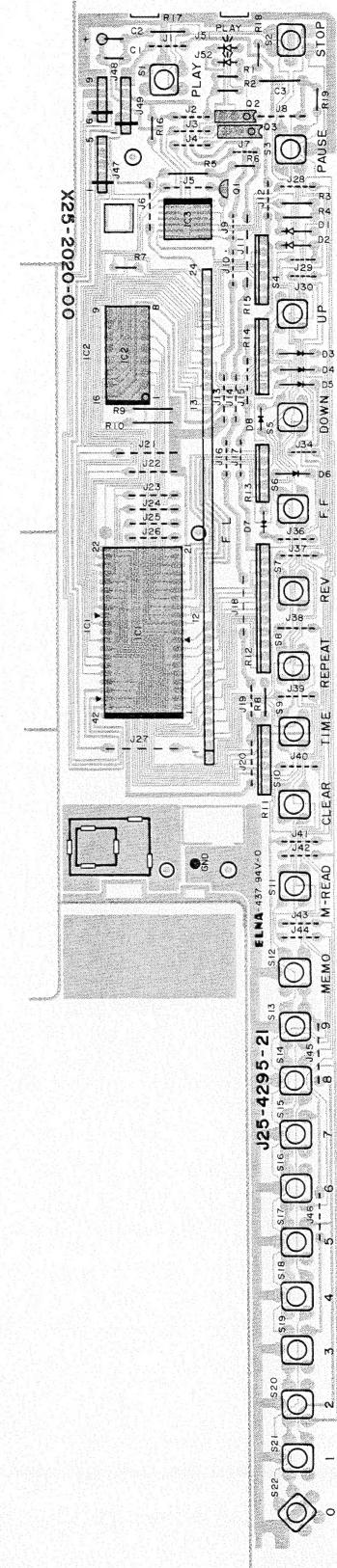
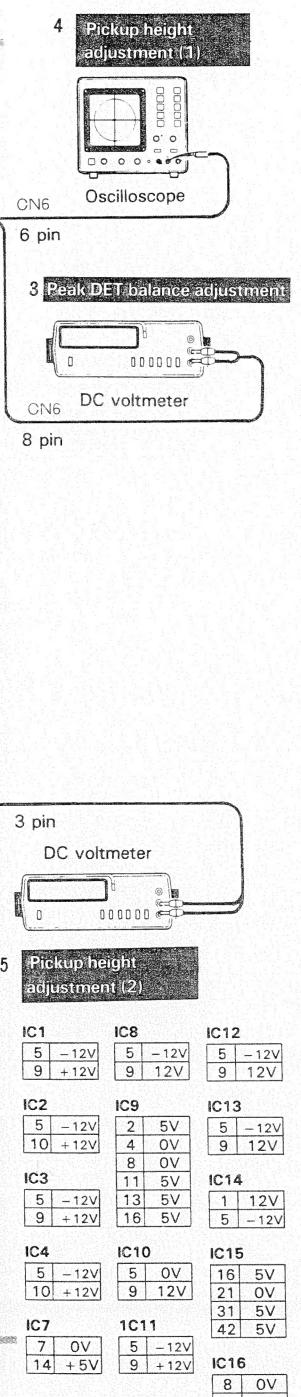
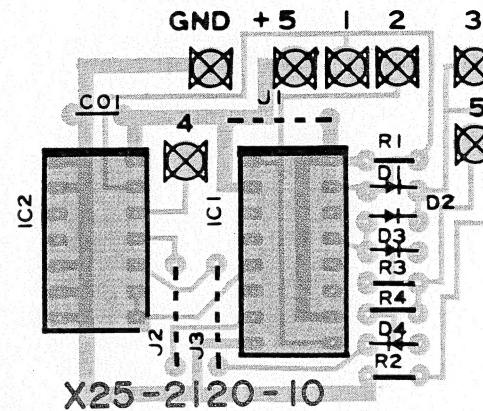
IC24	1 OV
	2 OV
	3 OV
	12 OV
	13 OV
	14 OV
	15 OV
	16 5V

IC25	1 OV
	2 OV
	5 OV
	12 OV
	13 OV
	14 OV
	15 OV
	16 5V

IC26	1 OV
	2 OV
	15 OV
	16 15V
	2V

IC27	4 -12V
	8 12V

Pickup radial direction adjustment	AC voltmeter
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INDICATOR UNIT (X25-2020-00)
Component side viewSUB UNIT (X25-2120-10)
Component side view

IC1	21 OV
	31 OV
	34 4.8V
	36 OV
	42 4.8V

IC2	8 OV
	16 4.8V

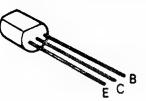
IC3	4 OV
	6 OV
	7 OV
	8 OV
	10 OV
	16 4.8V

Refer to the schematic diagram for the values of resistors and capacitors.
The PC board drawing is viewing from the side easy to check.

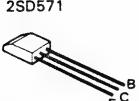
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COMPACT DISC PLAYER

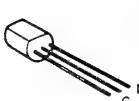
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2SA1127NC	2SC2320
2SA733(A)	2SC2878
2SA999	2SC945(A)
2SC1685	



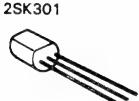
2SB605



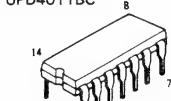
2SK125



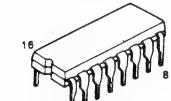
2SK170



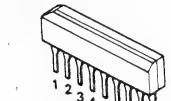
TC40H004P
TC4011BP
HBR-1011BG



UPD4520BC
TC4520BP
E5555555



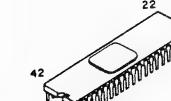
TA75393S
AN6913



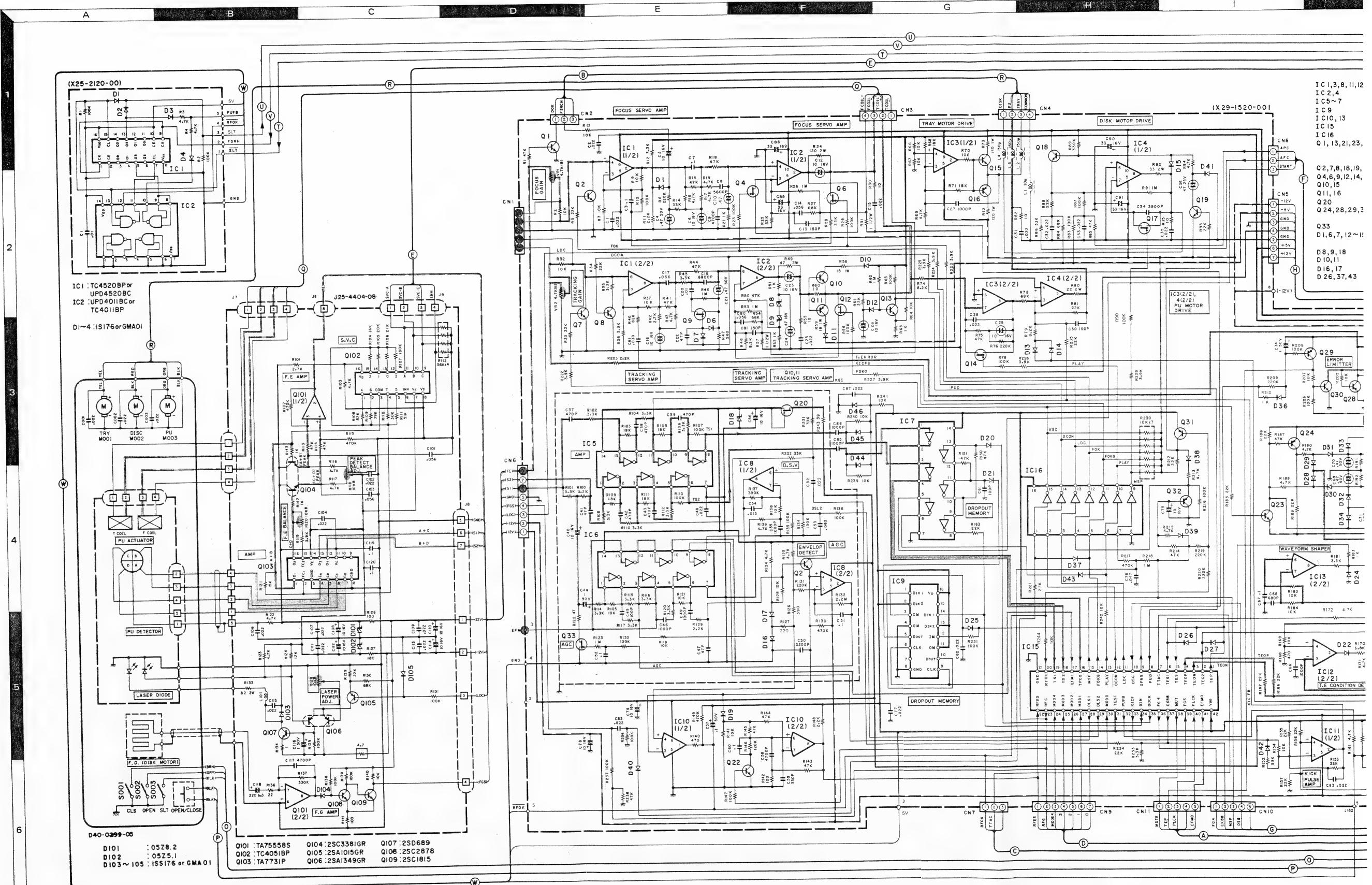
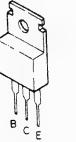
7



T7001-0007



2SD689

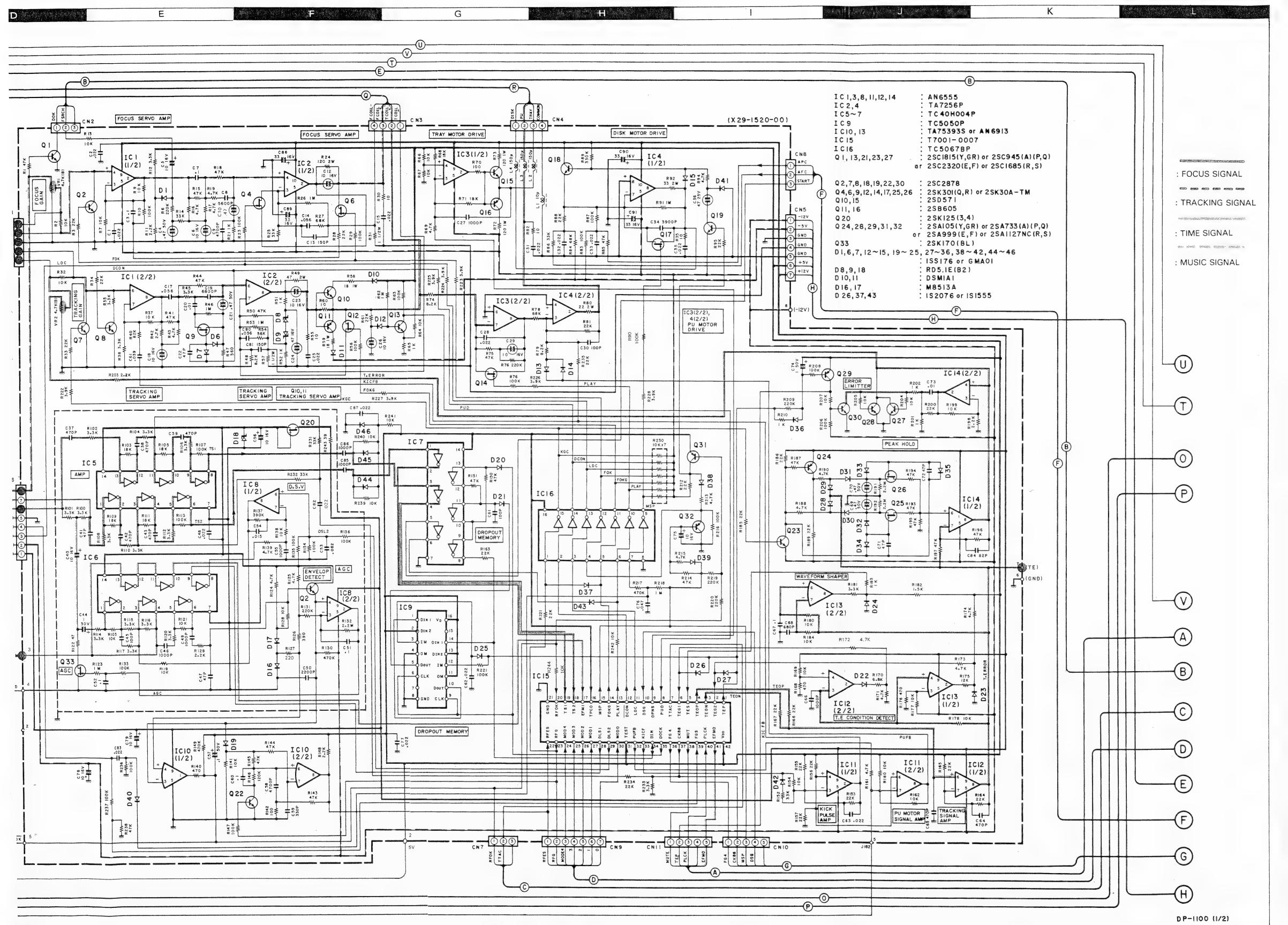
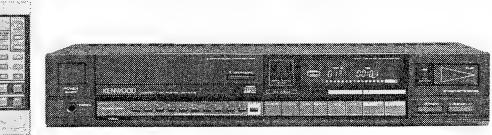


DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées à haute impédance. Les valeurs peuvent varier légèrement du fait des variations d'appareils et aux instruments de mesure.

COMPACT DISC PLAYER

DP-1100/B



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

Specifications

Compact disc player

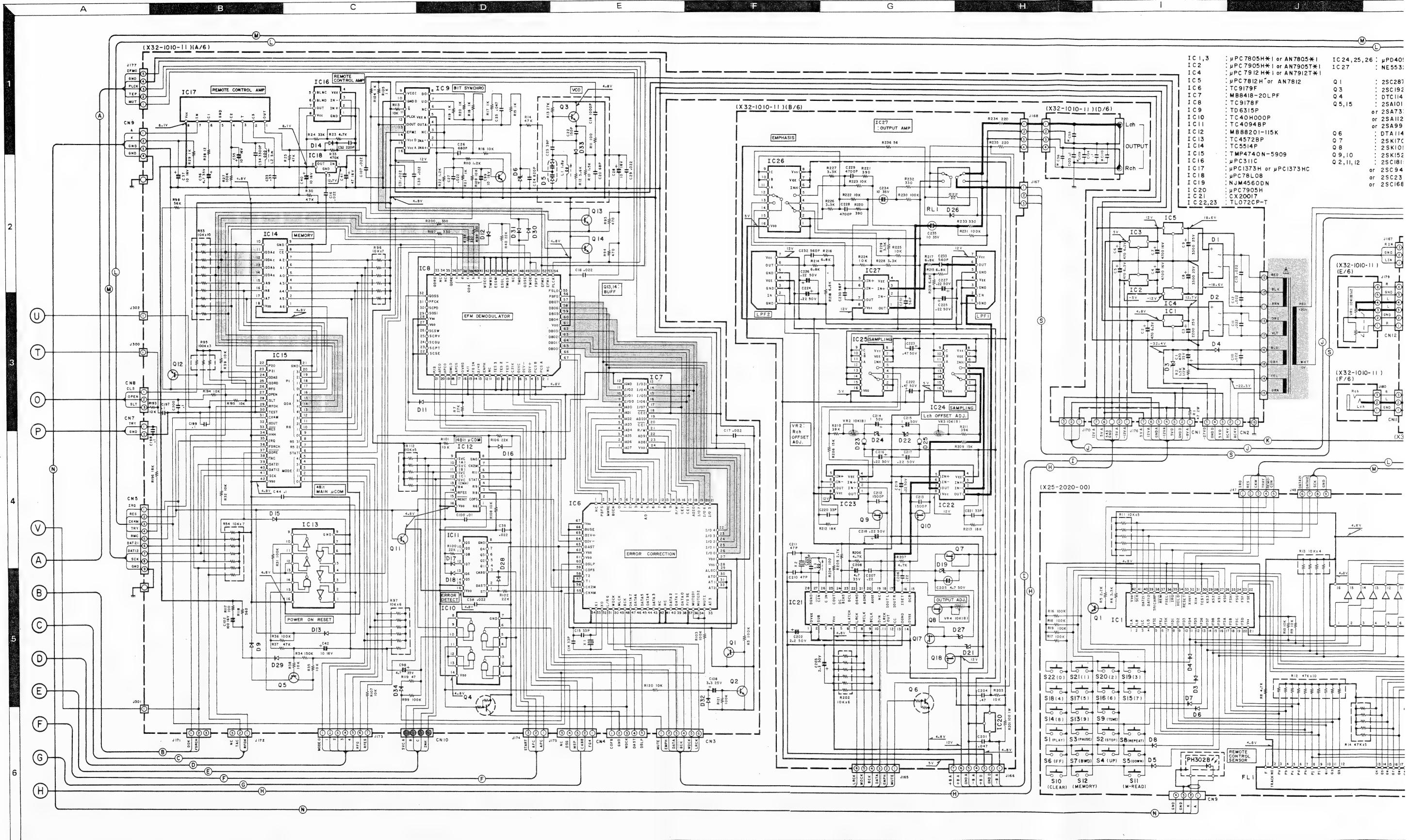
Disc loading system	Linear skate disc loading mechanism
Frequency response	2 Hz — 20 kHz, ±0.5 dB
Dynamic range	95 dB or more
Signal-to-noise ratio	95 dB or more
Total harmonic distortion	Less than 0.0015% (1 kHz)
Channel separation	90 dB or more (1 kHz)
Vow and flutter	Below measurable limit
Output level	2 V
Output impedance	600Ω
Sampling frequency	44.1 kHz
Quantization	16 bit linear quantizing/channel
Pindle speed	200 — 500 rpm
pickup	Semiconductor laser (GaAlAs)
Error correction	C.I.R.C
Tune selection	TNO (Music No.), INDEX (Index No.)
Number of tune search	Up to 99
Access time	Average 2 seconds
Number of memory	16
Repeat play	Endless
Power supply	AC 120 V, 60 Hz (USA and Canada) AC 120 V — AC 220/240 V, 50/60 Hz (Others)
Power consumption	20 W (USA and Canada), 23 W (Others)
Dimensions	440(W) × 88(H) × 310(D) mm
Weight	6.8 kg
Remote control unit	
System	Infrared control
Effective distance	4 m
Effective angle	±30° from the center axis
Dimensions	140(H) × 54(W) × 12(D) mm
Batteries	AAA or R03 × 2 (option)
Weight	50 g (without batteries)

wood follows a policy of continuous advancements development. For this reason specifications may be changed without notice.

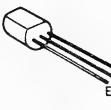
wood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Wienwood strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen en jederzeit vorbehalten.

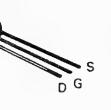
N: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to test).  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are accepted isolated from the supply circuit) before the appliance is delivered to the customer.



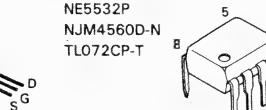
2SA1015	2SC1815
2SA1127NC	2SC1923
2SA733(A)	2SC2320
2SA999	2SC2878
2SC1685	2SC945(A)



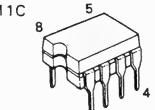
2SK105
2SK163
2SK170



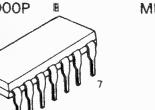
SK152



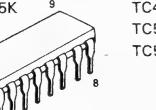
4



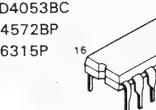
14



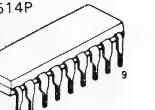
16



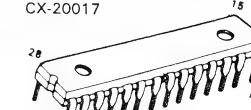
94BP UP
66BP TO
67BP TD



TC51

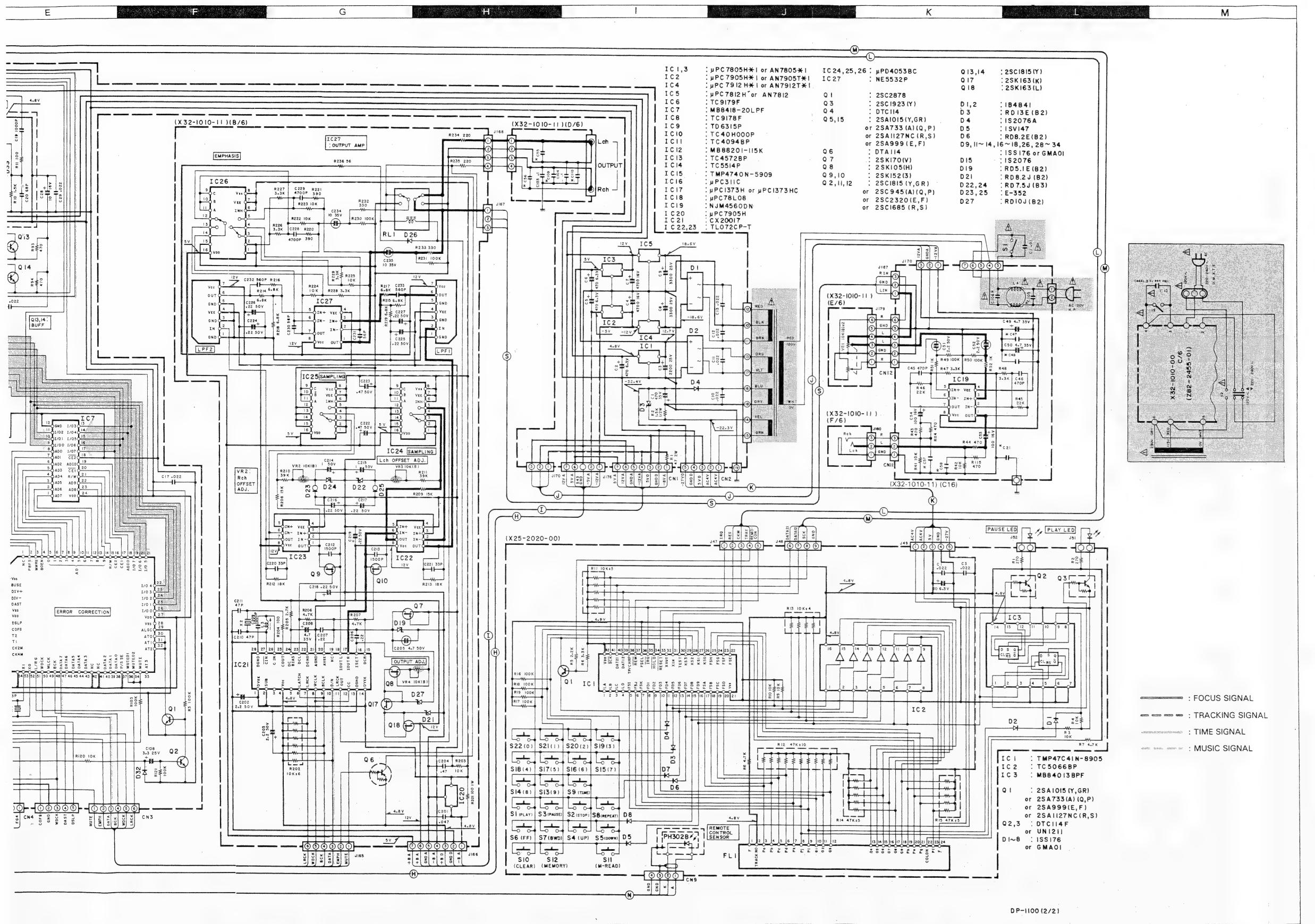


UPC1373HA



TMP474C
TMP47C

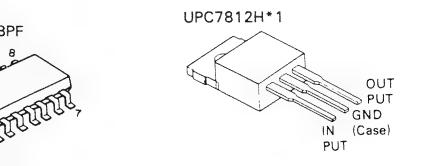
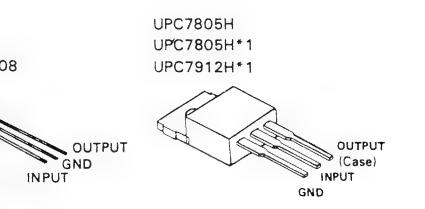
COMPACT DISC PLAYER



Parts	AREA Change destination			
	X32-1010-00	X32-1010-01	X32-1010-11	X32-1012-71
C47, 48	No use	No use	No use	0.022μ
C55, 56	No use	No use	No use	3300p
C57, 58	No use	No use	No use	0.01μ
C21	0.1μ	0.1μ	0.1μ	0.82μ
C105, 106	C91-0023-05	C91-0023-05	C91-0647-05	C91-0647-05
C109, 110	No use	No use	No use	0.01μ
Headphone jack	E11-0331-05	E11-0103-05	E11-0103-05	E11-0103-05

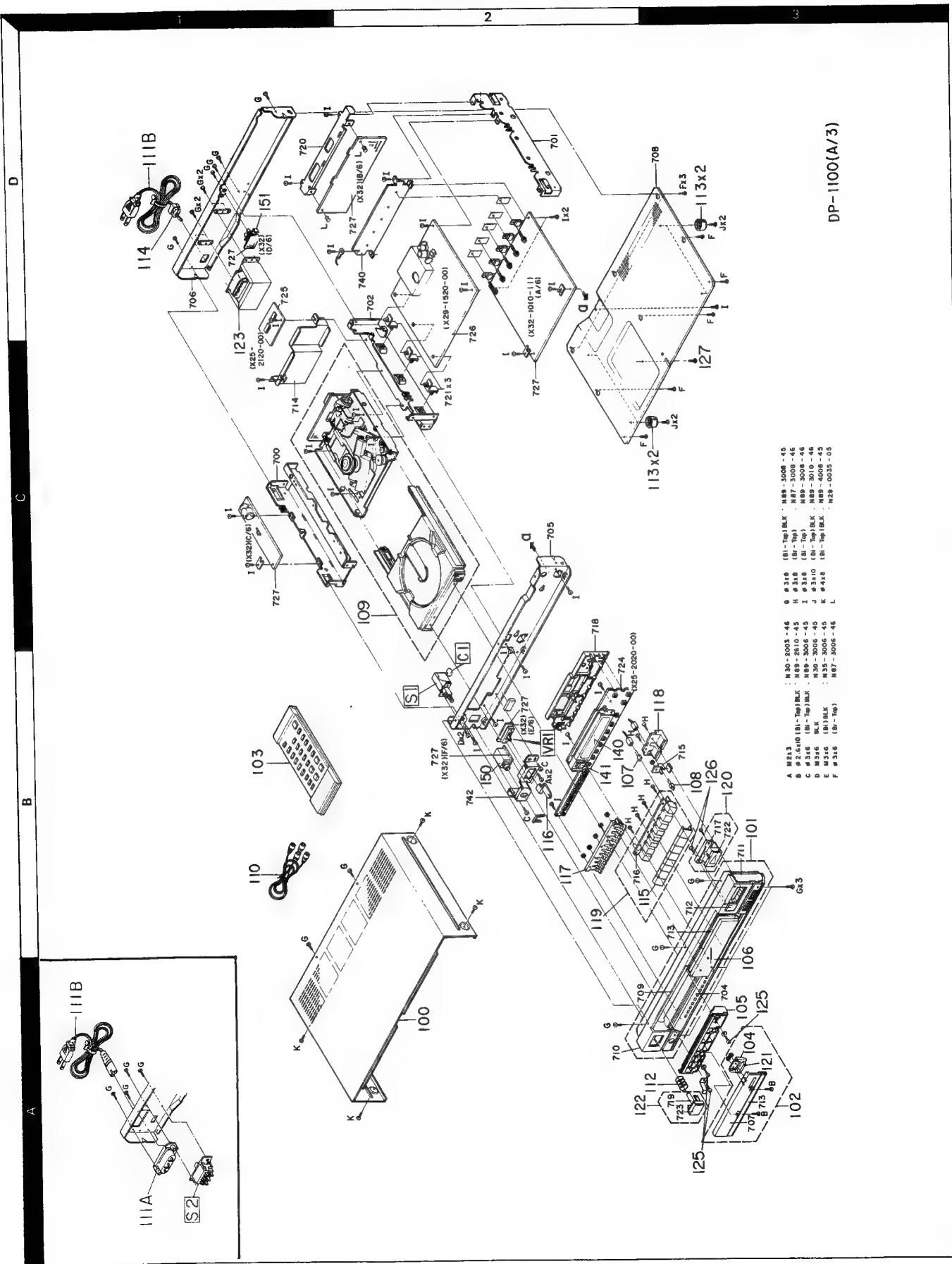
TRIO-KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040.10, Chapter I, Subchapter J.

DANGER: Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.



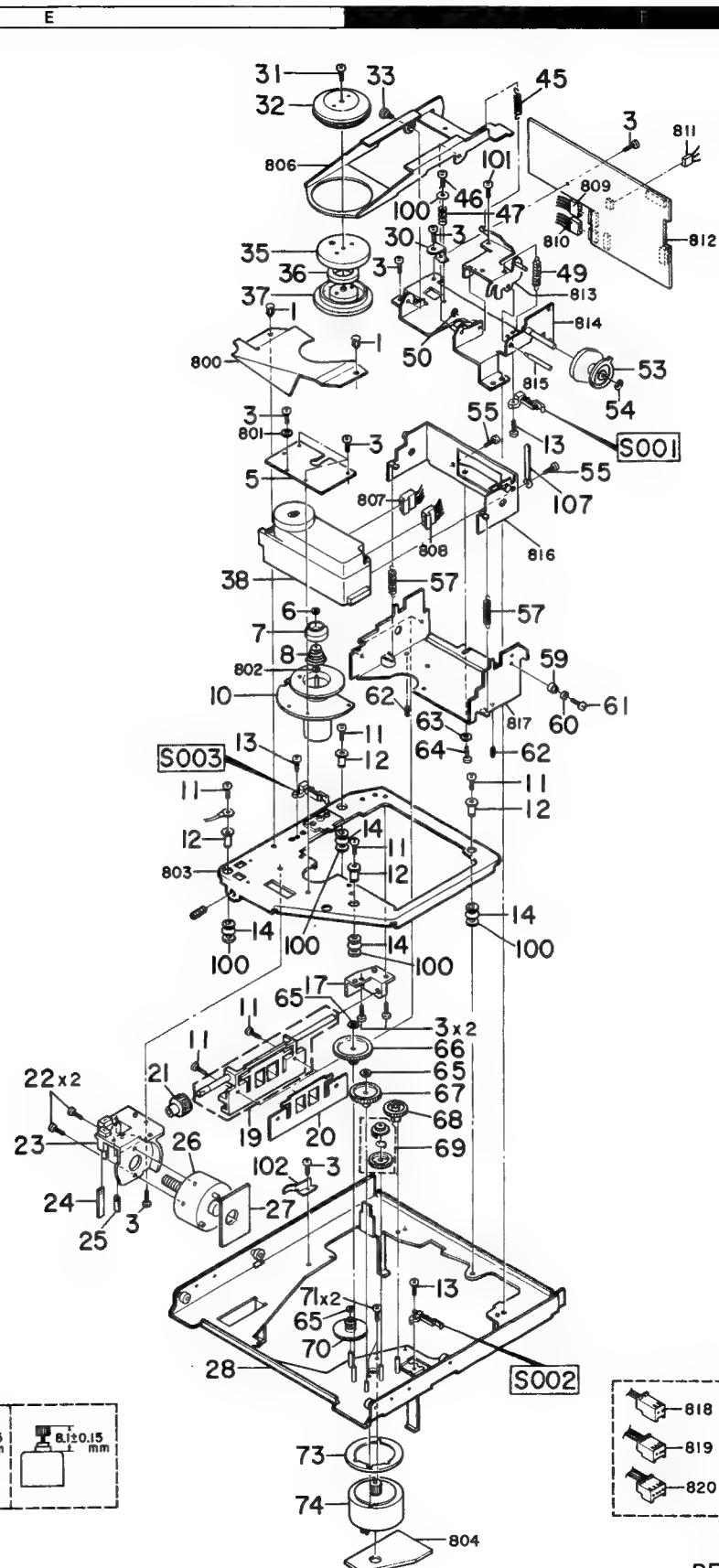
EXPLODED VIEW

Exploded view No. 700 ~ are not supplied.



EXPLODED VIEW

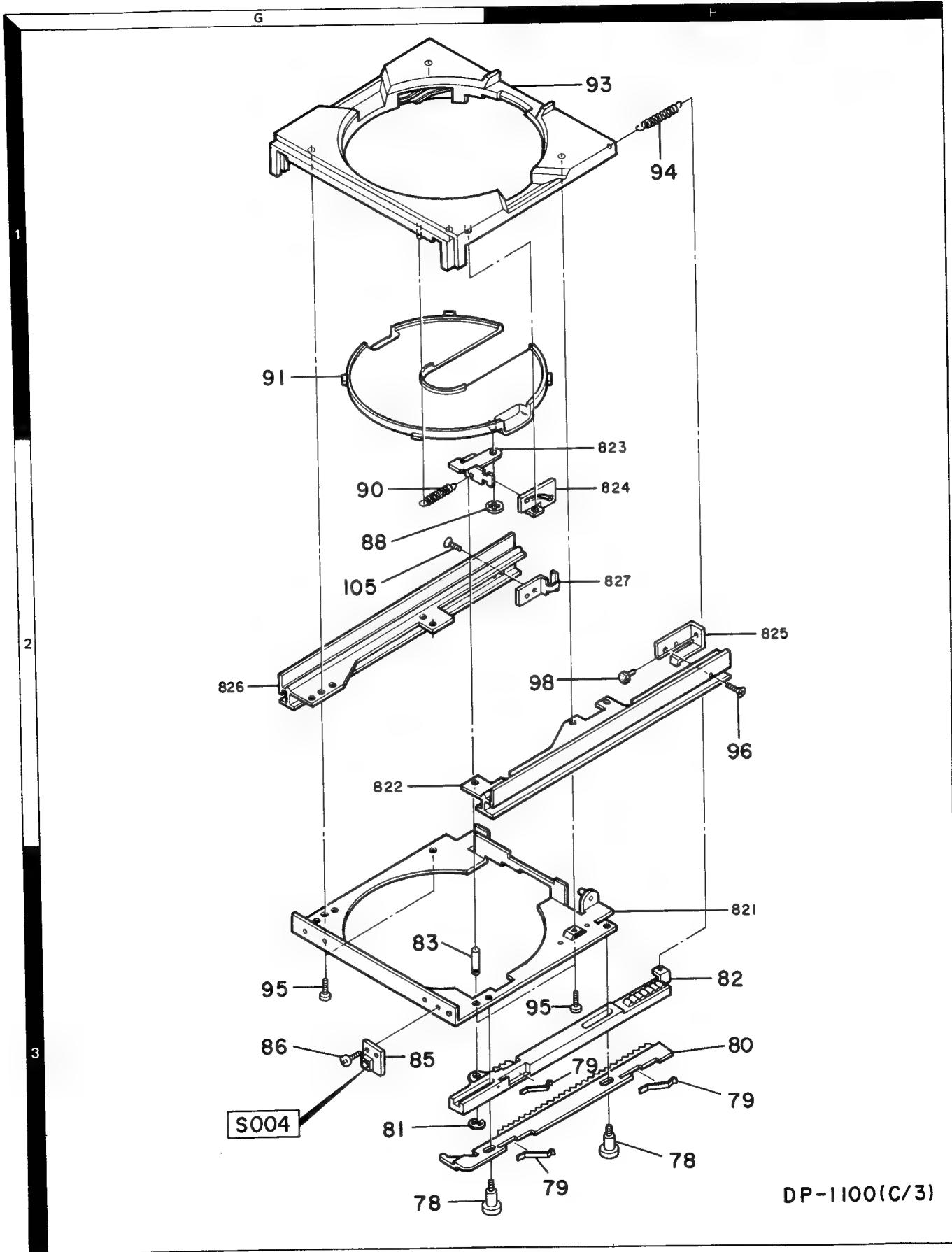
Exploded view No. 800 ~ are not supplied.



DP-1100(B/3)

EXPLODED VIEW

Exploded view No. 800 ~ are not supplied.



DP-1100(C/3)

PARTS LIST

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DP-1100/B								
100	2A	*	A01-0684-03	METALLIC CABINET	T2			
100	2A	*	A01-1303-03	METALLIC CABINET	KPUMX			
100	2A	*	A01-1303-03	METALLIC CABINET	TE			
101	3B	*	A20-3755-02	PANEL ASSY	T2			
101	3B	*	A20-3756-02	PANEL ASSY	KPUMX			
101	3B	*	A20-3756-02	PANEL ASSY	TE			
102	3A	*	A29-0045-03	TRAY PANEL ASSY	T2			
102	3A	*	A29-0048-03	TRAY PANEL ASSY	KPUMX			
102	3A	*	A29-0048-03	TRAY PANEL ASSY	E			
102	3A	*	A29-0050-03	TRAY PANEL ASSY	T			
103	1B	*	A70-0123-05	REMOTE CONTROLLER ASSY	TT2			
103	1B	*	A70-0124-05	REMOTE CONTROLLER ASSY	KPUMX			
103	1B	*	A70-0124-05	REMOTE CONTROLLER ASSY	E			
104	3A	*	B07-1240-04	ESCUTCHEON (OPEN/CLOSE)				
105	3A	*	B07-1241-02	ESCUTCHEON				
106	3A	*	B10-0441-04	FRONT GLASS(A)				
107	3B	*	B30-0321-05	LED (PLAY IND.) PR7551K				
108	3B	*	B30-1005-05	LED (PAUSE)				
-			B46-0092-03	WARRANTY CARD	K			
-			B46-0093-03	WARRANTY CARD	P			
-			B46-0094-03	WARRANTY CARD	U			
-			B46-0095-03	WARRANTY CARD	U			
-			B46-0096-03	WARRANTY CARD	X			
-			B46-0097-03	WARRANTY CARD	TT2			
-			B46-0098-03	WARRANTY CARD	E			
-		*	B50-5079-00	INSTRUCTION MANUAL (E)	KPUMX			
-		*	B50-5080-00	INSTRUCTION MANUAL (F)	PMXE			
-		*	B50-5081-00	INSTRUCTION MANUAL (SP)	M			
-		*	B50-5082-00	INSTRUCTION MANUAL (E)	T			
-		*	B50-5083-00	INSTRUCTION MANUAL (D,G,I,SW)	E			
-		*	B50-5276-00	INSTRUCTION MANUAL (E)	T2			
-		*	B59-0092-00	SERVICE DIRECTORY	U			
▲ C1			C91-0023-05	CERAMIC	0.01UF	AC250V	UMX	
▲ C1			C91-0647-05	CERAMIC	0.01UF	P	KPTT2	
109	2C	*	D40-0299-05	MECHANISM ASSY				
110	1B		E30-0505-05	AUDIO CORD				
△ 111A	1A		E03-0102-15	AC INLET			UMXTE	
△ 111A	1A		E03-0102-15	AC INLET			T2	
△ 111B	1D		E30-0181-05	AC POWER CORD			K	
△ 111B	1D		E30-0780-05	AC POWER CORD			P	
△ 111B	1A		E30-1305-15	AC POWER CORD (INLET)			UM	
△ 111B	1A		E30-1328-15	AC POWER CORD (INLET)			TT2	
△ 111B	1A		E30-1329-05	AC POWER CORD (INLET)			E	
△ 111B	1A		E30-1342-05	AC POWER CORD (INLET)			X	
△ 112	3A		G01-0359-04	COMPRESSION SPRING(POWER KNOB)				
-		*	H01-5053-04	ITEM CARTON CASE			T2	
-		*	H01-5054-04	ITEM CARTON CASE			KPUMX	
-		*	H01-5054-04	ITEM CARTON CASE			E	
-		*	H01-5064-04	ITEM CARTON CASE			T	
-		*	H09-0089-04	ITEM CARTON CASE				
-		*	H10-1712-02	POLYSTYRENE FOAMED FIXTURE				

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

S: South Africa

T: England

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UE: AAFES(Europe)

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PARTS LIST

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Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
-		*	H12-0155-04 H20-0417-04 H25-0078-04 H25-0113-04 H25-0113-04	CARTON BOARD PROTECTION COVER PROTECTION BAG PROTECTION BAG PROTECTION BAG	M UMXTE T2	
-		*	H25-0216-04 H25-0216-04 H40-0005-04	PROTECTION BAG PROTECTION BAG RUST PREVENTING PAPER	KPUXT ET2 M	
113	3C, 3D		J02-0126-05	FOOT		
114	1D		J42-0083-05	POWER CORD BUSHING	KP	
-		*	J50-0114-05	HINGE		
115	3A	*	K27-1128-04	KNOB (BUTTON) OPERATION	T2	
115	3A	*	K27-1188-04	KNOB (BUTTON) OPERATION	KPUMX	
115	3A	*	K27-1188-04	KNOB (BUTTON) OPERATION	TE	
116	2B	*	K27-1130-14	KNOB (BUTTON) PHONES LEVEL	T2	
117	2B		K29-1472-23	KNOB (11KEY)		
117	2B		K29-1568-23	KNOB (11KEY)	KPUMX	
117	2B		K29-1568-23	KNOB (11KEY)	TE	
118	3B		K29-1473-13	KNOB (STOP)	T2	
118	3B		K29-1569-13	KNOB (STOP)	KPUMX	
118	3B		K29-1569-13	KNOB (STOP)	TE	
119	2A	*	K29-1474-04	KNOB ASSY (8KEY)	T2	
119	2A	*	K29-1570-04	KNOB ASSY (8KEY)	KPUMX	
119	2A	*	K29-1570-04	KNOB ASSY (8KEY)	TE	
120	3B		K29-1475-14	KNOB ASSY (PLAY)	T2	
120	3B		K29-1572-14	KNOB ASSY (PLAY)	KPUMX	
120	3B		K29-1572-14	KNOB ASSY (PLAY)	TE	
121	3A	*	K29-1476-04	KNOB (EJECT)	T2	
121	3A	*	K29-1574-04	KNOB (EJECT)	KPUMX	
121	3A	*	K29-1574-04	KNOB (EJECT)	TE	
122	3A	*	K29-1477-04	KNOB ASSY (POWER)	T2	
122	3A	*	K29-1575-04	KNOB ASSY (POWER)	KPUMX	
122	3A	*	K29-1575-04	KNOB ASSY (POWER)	TE	
123	1D	*	L01-3441-05	POWER TRANSFORMER	KP	
123	1D	*	L01-3444-05	POWER TRANSFORMER	UMXTE	
123	1D	*	L01-3444-05	POWER TRANSFORMER	T2	
125	3A		N09-0312-05	SEMS (MACHINE SCREW)		
126	3B		N09-0332-05	SEMS (TAPITIE SCREW)		
127	3C	*	N09-1333-05	MACHINE SCREW		
S1	2B		S40-1067-05	PUSH SWITCH (POWER TYPE)		
S2	1A		S31-2083-05	SLIDE SWITCH (POWER TYPE)	UMXTE	
S2	1A		S31-2083-05	SLIDE SWITCH (POWER TYPE)	T2	
INDICATOR UNIT (X25-2020-00)						
C1 C2 C3			C91-0699-05 CEO4FW1C100M C91-0085-05	CERAMIC 0.1UF ELECTRO 10UF CERAMIC 0.022UF	J 16WV N	
R11 R12 R13 R14 ,15		*	R90-0228-05 R90-0273-05 R90-0233-05 R90-0274-05	MULTI-COMP 10KX5 MULTIPLE RESISTOR MULTI-COMP 10KX4 MULTIPLE RESISTOR	J 2B J 2B	
S1 -3 S4 -11			S40-1068-05 S40-1064-05	PUSH SWITCH (PLAY/PAUSE/STOP) PUSH SW(UP/DOWN/FF/BWD/REP/TM)		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

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UE: AAFES(Europe)

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S12 -22			S40-1068-05	PUSH SWITCH (MEMO/NUMBERS)				
140	2B	*	CP2095GR	FLUORESCENT INDICATOR TUBE				
141	2B	*	PH302B	PHOTO DIODE				
D1 -6		*	GMA01	DIODE				
D1 -6		*	1SS176	DIODE				
D7 ,8			GMA01	DIODE				
D7 ,8			1SS176	DIODE				
IC1		*	TMP47C41N-8905	IC				
IC2		*	TC5066BP	IC				
IC3		*	MB84013BP	IC				
Q1			2SA1015(Y,GR)	TRANSISTOR				
Q1			2SA1127NC(R,S)	TRANSISTOR				
Q1			2SA733(A)(Q,P)	TRANSISTOR				
Q1			2SA999(E,F)	TRANSISTOR				
Q2 ,3		*	DTC114F	TRANSISTOR				
Q2 ,3			UN1211	TRANSISTOR				
SUB UNIT (X25-2120-00)								
C1			CK45FF1H103Z	CERAMIC	0.01UF	Z		
D1 -4			GMA01	DIODE				
D1 -4			1SS176	DIODE				
IC1		*	TC4520BP	IC				
IC1		*	UPD4520BC	IC				
IC2			TC4011BP	IC				
IC2			UPD4011BC	IC				
SERVO UNIT (X29-1520-00)								
C1 ,2			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C3			CF92FV1H104J	MF	0.10UF	J		
C4			CEO4HW1H2R2M	NP-ELEC	2.2UF	50WV		
C5			CEO4FW1C100M	ELECTRO	10UF	16WV		
C6		*	CEO4HW1C100M	NP-ELEC	10UF	16WV		
C7			CF92FV1H104J	MF	0.10UF	J		
C8			CF92FV1H562J	MF	5600PF	J		
C9			CF92FV1H472J	MF	4700PF	J		
C10			CEO4HW1HR47M	NP-ELEC	0.47UF	50WV		
C12			CEO4HW1C100M	NP-ELEC	10UF	16WV		
C13			CC45FSL1H151J	CERAMIC	150PF	J		
C14			CF92FV1H563J	MF	0.056UF	J		
C15			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C16			CF92FV1H393J	MF	0.039UF	J		
C17			CF92FV1H563J	MF	0.056UF	J		
C18		*	CEO4HW1C100M	NP-ELEC	10UF	16WV		
C19			CF92FV1H682J	MF	6800PF	J		
C20			CF92FV1H103J	MF	0.010UF	J		
C21			CEO4HW1HR47M	NP-ELEC	0.47UF	50WV		
C22			CC45FSL1H470J	CERAMIC	47PF	J		
C23		*	CEO4HW1C100M	NP-ELEC	10UF	16WV		
C24			CEO4HW1C470M	NP-ELEC	47UF	16WV		
C25		*	CK45FF1H223Z	CERAMIC	0.022UF	Z		
C26		*	CEO4HW1C100M	NP-ELEC	10UF	16WV		
C27			CK45FB1H102K	CERAMIC	0.001UF	K		
C28		*	CK45FF1H223Z	CERAMIC	0.022UF	Z		
C29		*	CEO4HW1C100M	NP-ELEC	10UF	16WV		
C30		*	CC45FSL1H101J	CERAMIC	100PF	J		

E: Scandinavia & Europe H: Audio Club K: USA

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C31			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C32 ,33			CF92FV1H223J	MF	0.022UF	J		
C34			CF92FV1H392J	MF	3900PF	J		
C35			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C36			CE04HW1E470M	NP-ELEC	47UF	25WV		
C37 -39			CK45FB1H471K	CERAMIC	470PF	K		
C40			CE04FW1C100M	ELECTRO	10UF	16WV		
C41 -43			CK45FB1H471K	CERAMIC	470PF	K		
C44			CE04FW1H010M	ELECTRO	1UF	50WV		
C45			CC45FSL1H101J	CERAMIC	100PF	J		
C46			CK45FB1H102K	CERAMIC	0.001UF	K		
C47			CC45FSL1H470J	CERAMIC	47PF	J		
C48			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C49			CK45FB1H102K	CERAMIC	0.001UF	K		
C50			CF92FV1H222J	MF	2200PF	J		
C51 ,52			CF92FV1H104J	MF	0.10UF	J		
C53			CF92FV1H823J	MF	0.082UF	J		
C54			CF92FV1H153J	MF	0.015UF	J		
C55			CF92FV1H102J	MF	1000PF	J		
C56			CE04FW1C100M	ELECTRO	10UF	16WV		
C57			CE04FW1H0R1M	ELECTRO	0.1UF	50WV		
C58			CF92FV1H472J	MF	4700PF	J		
C59			CC45FSL1H331J	CERAMIC	330PF	J		
C60			CF92FV1H104J	MF	0.10UF	J		
C61			CC45FSL1H101J	CERAMIC	100PF	J		
C62			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C63			CF92FV1H223J	MF	0.022UF	J		
C64 ,65			CK45FB1H471K	CERAMIC	470PF	K		
C66			CK45FB1H102K	CERAMIC	0.001UF	K		
C67			CF92FV1H104J	MF	0.10UF	J		
C68			CC45FSL1H331J	CERAMIC	330PF	J		
C69 ,70			CE04HW1HR47M	NP-ELEC	0.47UF	50WV		
C71 ,72			CC45FSL1H470J	CERAMIC	47PF	J		
C73			CF92FV1H103J	MF	0.010UF	J		
C74			CE04FW1H010M	ELECTRO	1UF	50WV		
C75			CE04FW1C100M	ELECTRO	10UF	16WV		
C76			CF92FV1H473J	MF	0.047UF	J		
C77			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C78 ,79			CE04FW1C100M	ELECTRO	10UF	16WV		
C80			CF92FV1H563J	MF	0.056UF	J		
C81			CC45FSL1H151J	CERAMIC	150PF	J		
C82			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C83			CF92FV1H223J	MF	0.022UF	J		
C84			CC45FSL1H820J	CERAMIC	82PF	J		
C85 ,86			CK45FB1H102K	CERAMIC	0.001UF	K		
C87			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C88 -91			CE04FW1C330M	ELECTRO	33UF	16WV		
L1			L40-1001-14	SMALL FIXED INDUCTOR				
L2 -4			L40-1511-14	SMALL FIXED INDUCTOR				
R24		*	RS14KB3D121J	FL-PR00F RS	120	J	3D	
R31		*	RS14KB2H1R0J	FL-PR00F RS	1.0	J	2H	
R49		*	RS14KB3D470J	FL-PR00F RS	47	J	3D	
R57		*	RS14KB2H1R0J	FL-PR00F RS	1.0	J	2H	
R58 ,59		*	RS14KB3A180J	FL-PR00F RS	18	J	3A	

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R72 ,73		*	RS14KB3A121J	FL-PROOF RS 120	J 3A	
R80		*	RS14KB3D220J	FL-PROOF RS 22	J 3D	
R92		*	RS14KB3D330J	FL-PROOF RS 33	J 3D	
R230			R90-0234-05	MULTI-COMP 10KX7	J 2B	
VR1 ,2			R12-1053-05	TRIM. POT. 4.7K(F9UCAS/TRACKING		
D1			GMA01	DIODE		
D1			1SS176	DIODE		
D6 ,7			GMA01	DIODE		
D6 ,7			1SS176	DIODE		
D8 ,9			RD5.1E(B2)	ZENER DIODE		
D10 ,11		*	DSM1A1	DIODE		
D12 -15			GMA01	DIODE		
D12 -15			1SS176	DIODE		
D16 ,17		*	MB513A	VARISTOR		
D18			RD5.1E(B2)	ZENER DIODE		
D19 -25			GMA01	DIODE		
D19 -25			1SS176	DIODE		
D26			1S1555	DIODE		
D26			1S2076	DIODE		
D27 -36			GMA01	DIODE		
D27 -36			1SS176	DIODE		
D37			1S1555	DIODE		
D37			1S2076	DIODE		
D38 -42			GMA01	DIODE		
D38 -42			1SS176	DIODE		
D43			1S1555	DIODE		
D43			1S2076	DIODE		
D44 -46			GMA01	DIODE		
D44 -46			1SS176	DIODE		
IC1			AN6555	IC		
IC2		*	TA7256P	IC		
IC3			AN6555	IC		
IC4		*	TA7256P	IC		
IC5 -7		*	TC40H004P	IC		
IC8			AN6555	IC		
IC9		*	TC5050P	IC		
IC10		*	AN6913	IC		
IC10		*	TA75393S	IC		
IC11,12			AN6555	IC		
IC13		*	AN6913	IC		
IC13		*	TA75393S	IC		
IC14			AN6555	IC		
IC15		*	T7001-0007	IC		
IC16		*	TC5067BP	IC		
Q1			2SC1685(R,S)	TRANSISTOR		
Q1		*	2SC1815(Y,GR)	TRANSISTOR		
Q1			2SC2320(E,F)	TRANSISTOR		
Q1			2SC945(A)(Q,P)	TRANSISTOR		
Q2			2SC287B	TRANSISTOR		
Q4			2SK30A-TM	FET		
Q4			2SK301(Q,R)	FET		
Q6			2SK30A-TM	FET		
Q6			2SK301(Q,R)	FET		
Q7 ,8			2SC2878	TRANSISTOR		
Q9			2SK30A-TM	FET		

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Q9			2SK301(Q,R)	FET		
Q10			2SD571(L,K)	TRANSISTOR		
Q11		*	2SB605(L,K)	TRANSISTOR		
Q12			2SK30A-TM	FET		
Q12			2SK301(Q,R)	FET		
Q13		*	2SC1685(R,S)	TRANSISTOR		
Q13		*	2SC1815(Y,GR)	TRANSISTOR		
Q13			2SC2320(E,F)	TRANSISTOR		
Q13			2SC945(A)(Q,P)	TRANSISTOR		
Q14			2SK30A-TM	FET		
Q14			2SK301(Q,R)	FET		
Q15			2SD571(L,K)	TRANSISTOR		
Q16		*	2SB605(L,K)	TRANSISTOR		
Q17			2SK30A-TM	FET		
Q17			2SK301(Q,R)	FET		
Q18 ,19			2SC2878	TRANSISTOR		
Q20		*	2SK125(3,4)	FET		
Q21			2SC1685(R,S)	TRANSISTOR		
Q21		*	2SC1815(Y,GR)	TRANSISTOR		
Q21			2SC2320(E,F)	TRANSISTOR		
Q21			2SC945(A)(Q,P)	TRANSISTOR		
Q22			2SC2878	TRANSISTOR		
Q23			2SC1685(R,S)	TRANSISTOR		
Q23		*	2SC1815(Y,GR)	TRANSISTOR		
Q23			2SC2320(E,F)	TRANSISTOR		
Q23			2SC945(A)(Q,P)	TRANSISTOR		
Q24			2SA1015(Y,GR)	TRANSISTOR		
Q24			2SA1127NC(R,S)	TRANSISTOR		
Q24			2SA733(A)(Q,P)	TRANSISTOR		
Q24			2SA999(E,F)	TRANSISTOR		
Q25 ,26			2SK30A-TM	FET		
Q25 ,26			2SK301(Q,R)	FET		
Q27			2SC1685(R,S)	TRANSISTOR		
Q27		*	2SC1815(Y,GR)	TRANSISTOR		
Q27			2SC2320(E,F)	TRANSISTOR		
Q27			2SC945(A)(Q,P)	TRANSISTOR		
Q28 ,29			2SA1015(Y,GR)	TRANSISTOR		
Q28 ,29			2SA1127NC(R,S)	TRANSISTOR		
Q28 ,29			2SA733(A)(Q,P)	TRANSISTOR		
Q28 ,29			2SA999(E,F)	TRANSISTOR		
Q30			2SC2878	TRANSISTOR		
Q31 ,32			2SA1015(Y,GR)	TRANSISTOR		
Q31 ,32			2SA1127NC(R,S)	TRANSISTOR		
Q31 ,32			2SA733(A)(Q,P)	TRANSISTOR		
Q31 ,32			2SA999(E,F)	TRANSISTOR		
Q33			2SK170(BL)	FET		
SIGNAL PROCESS UNIT (X32-1010-11)						
C1			CED4FW1V471M	ELECTRO	470UF	35WV
C2			CED4FW0J471M	ELECTRO	470UF	6.3WV
C3		*	C90-1279-05	ELECTRO	2200UF	25WV
C4		*	C90-1286-05	ELECTRO	4700UF	16WV
C5 ,6			CED4FW0J471M	ELECTRO	470UF	6.3WV
C7		*	C90-1286-05	ELECTRO	4700UF	16WV
C8 ,9		*	C90-1280-05	ELECTRO	3300UF	25WV

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C10 -13			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C14			CC45FSL1H330J	CERAMIC	33PF	J		
C15			CC45FSL1H330J	CERAMIC	33PF	J		
C16 -18			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C19			CK45FB1H102K	CERAMIC	0.001UF	K		
C20		*	CC45FSL1H680J	CERAMIC	68PF	J		
C21			CF92FV1H824J	MF	0.82UF	J		
C21			C91-0699-05	CERAMIC	0.1UF	J	E	KPUMX
C21			C91-0699-05	CERAMIC	0.1UF	J		TT2
C22			CC45FSL1H151J	CERAMIC	150PF	J		
C23			CC45FSL1H390J	CERAMIC	39PF	J		
C24			CK45FB1H821K	CERAMIC	820PF	K		
C25			CP92FV1H473J	MF	0.047UF	J		
C26			CK45FB1H681K	CERAMIC	680PF	K		
C27			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C28			CEO4FW1C100M	ELECTRO	10UF	16WV		
C29 -31			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C32		*	CC45FSL1H221J	CERAMIC	220PF	J		
C33		*	CF92FV1H334J	MF	0.33UF	J		
C34		*	CK45FB1H332K	CERAMIC	3300PF	K		
C35			CEO4FW1C100M	ELECTRO	10UF	16WV		
C36			CEO4FW1V4R7M	ELECTRO	4.7UF	35WV		
C37			CEO4FW1C100M	ELECTRO	10UF	16WV		
C38 ,39			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C40			CEO4FW1C100M	ELECTRO	10UF	16WV		
C41			CEO4FW1C470M	ELECTRO	47UF	16WV		
C42			CEO4FW1A470M	ELECTRO	47UF	10WV		
C44			C91-0699-05	CERAMIC	0.1UF	J		
C45 ,46			CK45FB1H471K	CERAMIC	470PF	K		
C47 ,48			CK45FF1H223Z	CERAMIC	0.022UF	Z	E	
C49 ,50			CEO4FW1V4R7M	ELECTRO	4.7UF	35WV		
C51 ,52			CEO4HW1H2R2M	NP-ELEC	2.2UF	50WV		
C53 ,54			CEO4FW1C101M	ELECTRO	100UF	16WV		
C55 ,56			CF92FV1H332J	MF	3300PF	J	E	
C57 ,58			CF92FV1H103J	MF	0.010UF	J	E	
C98			CEO4FW1V4R7M	ELECTRO	4.7UF	35WV		
C99			CEO4FW1C100M	ELECTRO	10UF	16WV		
C100			CK45FF1H103Z	CERAMIC	0.01UF	Z		
C102			CEO4FW1C101M	ELECTRO	100UF	16WV		
C103,104			C91-0699-05	CERAMIC	0.1UF	J		
△ C105,106			C91-0647-05	CERAMIC	0.01UF	P		
C107			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C108			CEO4FW1H3R3M	ELECTRO	3.3UF	50WV		
C109,110			CK45F1H103Z	CERAMIC	0.01UF	Z	E	
C197-200			C91-0699-05	CERAMIC	0.1UF	J		
C201		*	CF92FV1H473J	MF	0.047UF	J		
C202			CEO4FW1H2R2M	ELECTRO	2.2UF	50WV		
C203			CEO4FW1H2R2M	ELECTRO	2.2UF	50WV		
C204		*	CF92FV1H474J	MF	0.47UF	J		
C205			CEO4HW1H4R7M	NP-ELEC	4.7UF	50WV		
C206			CF92FV1H224J	MF	0.22UF	J		
C207			CF92FV1H224J	MF	0.22UF	J		
C208			CEO4FW1V4R7M	ELECTRO	4.7UF	35WV		
C209			CK45FB1H102K	CERAMIC	0.001UF	K		
C210			CC45FSL1H470J	CERAMIC	47PF	J		

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C211		*	CC45FSL1H470J	CERAMIC	47PF	J		
C212,213			C91-0178-05	POLYSTY	1500PF	J		
C214			CE04FW1H010M	ELECTRO	1UF	50WV		
C215			CE04FW1H010M	ELECTRO	1UF	50WV		
C216,217			CE04FW1HR22M	ELECTRO	0.22UF	50WV		
C218			CE04W1HR22M	ELECTRO	0.22UF	50WV		
C219			CE04FW1HR22M	ELECTRO	0.22UF	50WV		
C220,221			C91-0172-05	POLYSTY	33PF	K		
C222			CE04FW1HR47M	ELECTRO	0.47UF	50WV		
C223			CE04FW1HR47M	ELECTRO	0.47UF	50WV		
C224-227		*	CE04FW1HR22M	ELECTRO	0.22UF	50WV		
C228,229			CQ93HP2A472J	MYLAR	4700PF	J		
C230,231		*	C91-0175-05	POLYSTY	56PF	K		
C232,233		*	C91-0097-05	POLYSTY	560PF	J		
C234,235			CE04HW1E100M	NP-ELEC	10UF	25WV		
150	2B		E11-0103-05	PHONE JACK			KPUMX	
150	2B		E11-0103-05	PHONE JACK			TE	
150	2B		E11-0331-05	PHONE JACK			T2	
151	1D	*	E13-0223-05	PHONE JACK				
L1		*	L32-0292-05	OSCILATING COIL				
L2		*	L39-0114-05	PEAKING COIL				
L3		*	L39-0115-05	PEAKING COIL				
L4		*	L79-0190-05	LINE FILTER				
LPF1,2		*	L79-0191-05	ACTIVE FILTER				
X1		*	L77-0586-05	CRYSTAL RESONATOR				
X2		*	L77-0587-05	CRYSTAL RESONATOR				
-			N09-0321-05	TAPPING SCREW				
R53		*	R90-0279-05	MULTIPLE RESISTOR				
R54		*	R90-0234-05	MULTI-COMP 10KX7	J	2B		
R95		*	R90-0292-05	MULTIPLE RESISTOR				
R96		*	R90-0234-05	MULTI-COMP 10KX7	J	2B		
R97		*	R90-0281-05	MULTIPLE RESISTOR				
R112			R90-0228-05	MULTI-COMP 10KX5	J	2B		
R201		*	RS14KB3A1D1J	FL-PROOF RS 100	J	3A		
R202		*	R90-0281-05	MULTIPLE RESISTOR				
VR1		*	R13-3015-05	SLIDE POT. 10K (HEADPHONES)				
VR2 -4		*	R12-3085-05	TRIMMING POT. 10K				
RL1			S51-2056-05	MAGNETIC RELAY				
D1 ,2		*	1B4B41	DIODE				
D1 ,2		*	1D4B41	DIODE				
D1 ,2		*	1G4B41	DIODE				
D3			RD13E(B2)	ZENER DIODE				
D4			1S2076A	DIODE				
D5		*	1SV147	VARISTOR				
D6			RDB.2E(B2)	ZENER DIODE				
D9			GMA01	DIODE				
D9			1SS176	DIODE				
D11 -14			GMA01	DIODE				
D11 -14			1SS176	DIODE				
D15			1S2076	DIODE				
D16 -18			GMA01	DIODE				
D16 -18			1SS176	DIODE				
D19			RD5.1E(B2)	ZENER DIODE				

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D21			RDB. 2J(B2)	ZENER DIODE		
D22		*	RD7. 5J(B3)	ZENER DIODE		
D23		*	E-352	CONSTANT CURRENT DIODE		
D24		*	RD7. 5J(B3)	ZENER DIODE		
D25		*	E-352	CONSTANT CURRENT DIODE		
D26			GMA01	DIODE		
D26			1SS176	DIODE		
D27			RD10J(B2)	ZENER DIODE		
D28 -34			GMA01	DIODE		
D28 -34			1SS176	DIODE		
IC1		*	AN7805*1	IC		
IC1		*	UPC7805H*1	IC		
IC2		*	AN7905T*1	IC		
IC2		*	UPC7905H*1	IC		
IC3		*	AN7805*1	IC		
IC3		*	UPC7805H*1	IC		
IC4		*	AN7912T*1	IC		
IC4		*	UPC7912H*1	IC		
IC5		*	AN7812*1	IC		
IC5		*	UPC7812H*1	IC		
IC6		*	TC9179F	IC		
IC7		*	MB8418-20LPF	IC		
IC8		*	TC9178F	IC		
IC9		*	TD6315P	IC		
IC10		*	TC40H000P	IC		
IC11		*	TC4094BP	IC		
IC12		*	MB88201-P-115K	IC		
IC13		*	TC4572BP	IC		
IC14		*	MB8414EM-G	IC		
IC14		*	MSM5114-2RS	IC		
IC14		*	MSM5114P-2RS	IC		
IC14		*	TC5514P	IC		
IC14		*	UPD444C-0	IC		
IC15		*	TMP4740N-5909	IC		
IC16		*	UPC311C	IC		
IC17		*	UPC1373H	IC		
IC17		*	UPC1373HA	IC		
IC18		*	UPC78L08	IC		
IC19			NJM4560D-N	IC		
IC20		*	AN7905T	IC		
IC20		*	UPC7905H	IC		
IC21		*	CX-20017	IC		
IC22,23		*	TLD72CP-T	IC		
IC24-26		*	UPD4053BC	IC		
IC27		*	NE5532P	IC		
Q1			2SC2878	TRANSISTOR		
Q2			2SC1685(R,S)	TRANSISTOR		
Q2			2SC1815(Y,GR)	TRANSISTOR		
Q2			2SC2320(E,F)	TRANSISTOR		
Q2			2SC945(A)(Q,P)	TRANSISTOR		
Q3		*	2SC1923(Y)	TRANSISTOR		
Q4		*	2SC945(A)(P,K)	TRANSISTOR		
Q5			2SA1015(Y,GR)	TRANSISTOR		
Q5			2SA1127NC(R,S)	TRANSISTOR		
Q5			2SA733(A)(Q,P)	TRANSISTOR		

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Q5		*	2SA999(E,F)	TRANSISTOR		
Q6		*	DTA114F	TRANSISTOR		
Q6		*	UN4111	TRANSISTOR		
Q7			2SK170(V)	FET		
Q8			2SK105(H)	FET		
Q9 ,10		*	2SK152(3)	FET		
Q11 ,12			2SC1685(R,S)	TRANSISTOR		
Q11 ,12			2SC1815(Y,GR)	TRANSISTOR		
Q11 ,12			2SC2320(E,F)	TRANSISTOR		
Q11 ,12			2SC945(A)(Q,P)	TRANSISTOR		
Q13 ,14			2SC1685(R,S)	TRANSISTOR		
Q13 ,14			2SC1815(Y,GR)	TRANSISTOR		
Q13 ,14			2SC2320(E,F)	TRANSISTOR		
Q13 ,14			2SC945(A)(Q,P)	TRANSISTOR		
Q15			2SA1015(Y,GR)	TRANSISTOR		
Q15			2SA1127NC(R,S)	TRANSISTOR		
Q15			2SA733(A)(Q,P)	TRANSISTOR		
Q15			2SA999(E,F)	TRANSISTOR		
Q17			2SK163(K)	FET		
Q18			2SK163(N)	FET		

MECHANISM UNIT (D40-0299-05)

1	1E,1F	N29-0072-08	PUSH RIVET		
3	1E,1F	N35-2606-46	BINDING SCREW		
5	1E	J25-4402-08	FG PC BOARD		
6	2E	N19-0872-08	POLYSLIDER WASHER		
7	2E	J90-0136-08	GUIDE RING		
8	2E	G01-1467-08	CONICAL SPRING		
10	2E	T42-0041-08	DISK MOTOR ASSY		
11	2E,2F	N35-2612-46	BINDING SCREW		
12	2E,2F	J42-0115-08	BUSHING		
13	2E,1F	N30-2006-46	PAN HEAD SCREW		
14	2E,2F	G13-0157-08	RUBBER CUSHION		
17	2E	D23-0187-08	BEARING		
19	3E	D13-0145-08	GEAR ASSY		
20	3E	G02-0153-08	LEAF SPRING		
21	2E	D13-0146-08	GEAR		
22	2E	N35-2605-46	BINDING SCREW		
23	3E	J19-2127-08	MOTOR HOLDER		
24	3E	G02-0154-08	LEAF SPRING		
25	3E	G02-0155-08	LEAF SPRING		
26	3E	T42-0042-08	TRAVEL MOTOR		
28	3E	A10-0744-08	CHASSIS CALKED ASSY		
31	1E	N89-2004-46	BINDING SCREW		
32	1E	B09-0042-08	CAP(CRAMP)		
33	1F	N09-1355-08	SPECIAL SCREW		
35	1E	T50-1016-08	YORK(CRAMP)		
36	1E	T99-0221-08	MAGNET(CRAMP)		
37	1E	J11-0064-08	CRAMP		
38	2E	J91-0234-08	PICKUP		
45	1F	G01-1468-08	TENSION SPRING		
46	1F	N35-2610-46	BINDING SCREW		
47	1F	G01-1469-08	TENSION SPRING		
49	1F	G01-1470-08	TENSION SPRING		
50	1F	N24-3015-45	E RING		
53	1F	D13-0147-08	GEAR(CRAMP)		

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

S: South Africa

T: England U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia M: Other Areas

△ indicates safety critical components.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
54	1F		N24-3030-05	E RING		
55	1F		N35-3004-46	BINDING SCREW		
57	2F		G01-1471-08	TENSION SPRING		
59	2F		J42-0116-08	BUSH		
60	2F		D14-0100-08	ROLLER		
61	2F		N35-2008-46	BINDING SCREW		
62	2F		N77-2608-45	SET SCREW		
63	2F		N15-1030-46	WASHER		
64	2F		N09-1356-08	SPECIAL SCREW		
65	2F		N19-0366-04	POLYSLYDER WASHER		
66	2F		D13-0148-08	GEAR(B)		
67	2F		D13-0149-08	GEAR(C)		
68	3F		D13-0150-08	GEAR(E)		
69	3F		D13-0151-08	GEAR ASSY		
70	3E		D13-0152-08	GEAR(A)		
71	3E		N35-2604-46	BINDING SCREW		
73	3E		J30-0191-08	SPACER		
74	3E		T42-0043-08	MOTOR ASSY		
78	3G, 3H		N09-1357-08	SPECIAL SCREW		
79	3H		G02-0156-08	LEAF SPRING		
80	3H		D13-0153-08	GEAR		
81	3G		N24-3020-45	E RING		
82	3H		D13-0154-08	GEAR		
83	3G		D21-1038-08	SHAFT		
85	3G		J25-4405-08	PC BOARD(EJECT SW)		
86	3G		N35-2606-46	BINDING SCREW		
88	2G		N14-0074-05	CS RING		
90	2G		G01-1472-08	TENSION SPRING		
91	1G		J99-0023-08	TRAY(B)		
93	1H		J99-0022-08	TRAY(A)		
94	1H		G01-1473-08	TENSION SPRING		
95	3H		N35-2610-46	BINDING SCREW		
96	2H		N32-2604-41	BINDING SCREW		
98	2H		G13-0158-08	CUSHION		
100	1F, 2E		N15-1026-46	WASHER		
101	1F		N35-2006-46	BINDING SCREW		
102	3E		G02-0157-08	LEAF SPRING		
105	2G		N32-2003-41	FLAT SCREW		
SO01-003	1F, 2E		S46-1042-08	LEAF SWITCH		
SO04	3G		S40-1087-08	PUSHBUTTON SWITCH		

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UE: AAFES(Europe)

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